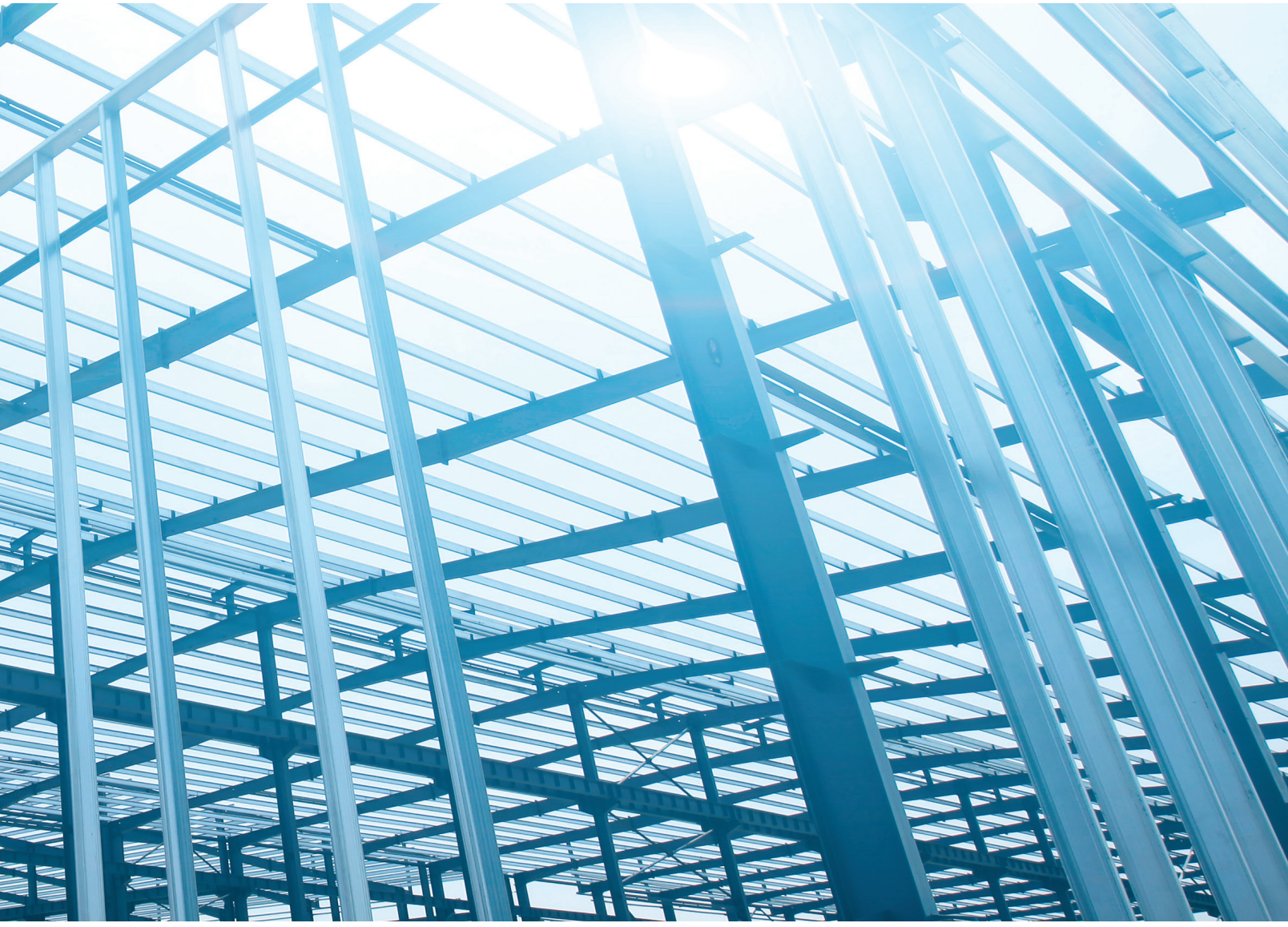
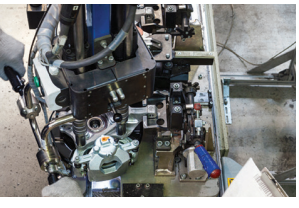
ILSCO®

connections matter





Making connections
SINCE 1894

ILSCO.COM

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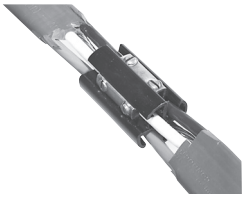

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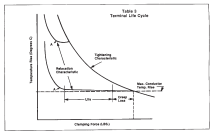

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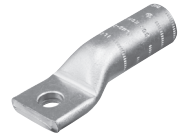
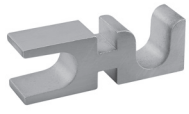
ULT 49	CST, CDT 50	TWCT 51 – 52	ALNS  53 – 54	ALND 55 – 57	ALNN 58 – 60
ASN 61	ASL  62	F2C 63	CPM 64 – 66	CPML 66	ACM 67 – 69
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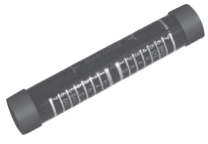
P840  77	AH 78	HT 79	INFORMATION SHEETS 80 – 87	COMPRESSION DIE INDEXES 88 – 89	ILC-15, ILC-15H, ILC-750 90

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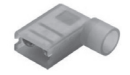
Fork Terminals Vinyl Insulated 120	Fork Terminals Nylon Insulated Heavy Duty Double Crimp 121	Disconnect Terminals Standard Female 122	Disconnect Terminals Standard Male 123	Disconnect Terminals Fully Insulated 124	Disconnect Terminals Fully Insulated, Flag  125
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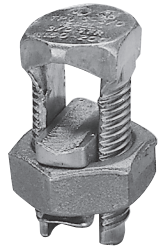
IK 134	IK3  135	SK 136
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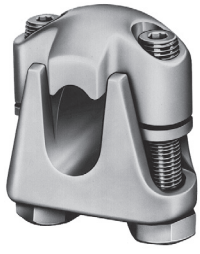
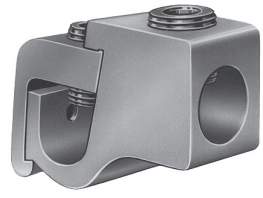
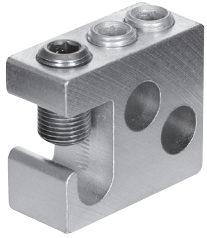
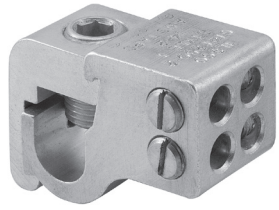
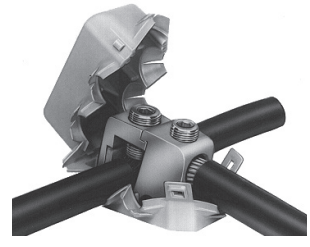
DBA, DBA-S  140	IPC 141	GTT  142
GT2  143	GT4T  144	GTA/GTT KIT  145

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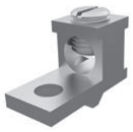
TA-I-TC 148	AU-I-TC 149	TA 150	ATTA  151	AU 152
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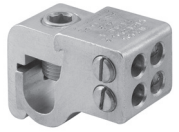
GTA 163	GTT 164	GTC 165	GT2 166	GT4T  167
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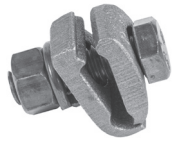
SGB 173	GH, GHS 174	GJ, GJS 175	GM, GMS, GWL  176	GT 177
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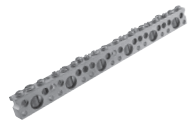
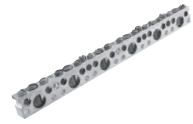
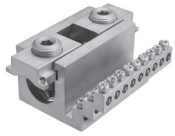
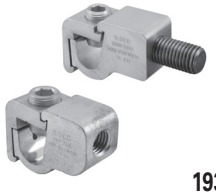
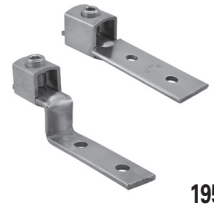
NB 183	NBAS 184	NBAE  185	NBCE  186	NBST 187
SCNL  188	SCNM 189	USPASS 190	SS,SSK,SSKC 191	PG 192
GRM, GRF  193	SLU/SAU 194	SLS/SAS 194	E, H  195	SLUH 196
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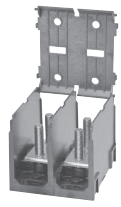

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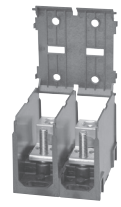

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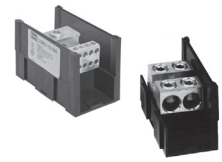

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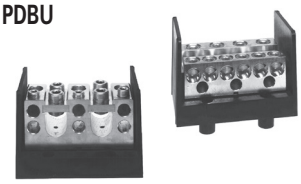

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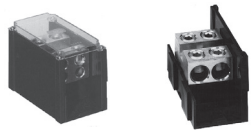

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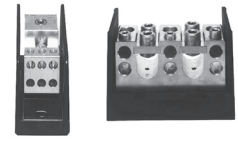

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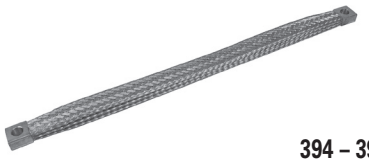

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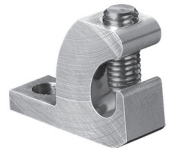

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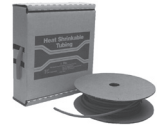

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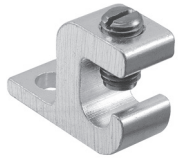
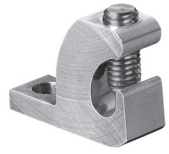
SGB 313	GBL  314	CGBL  315	GBT 316	GRM 317	GRF 317
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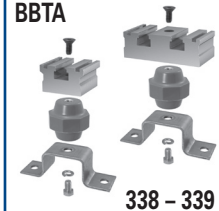
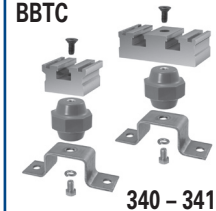
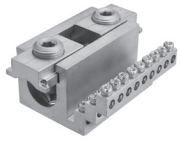
NBAE 331	NBCE 332	NBST 333	BBFC 334 – 337	BBTA  338 – 339	BBTC  340 – 341
SCNL  342	SCNM 343	SBW 344	SBC 345	SBJ 346	SGS 347

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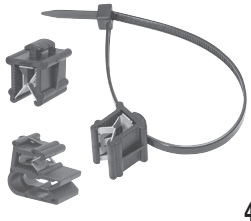

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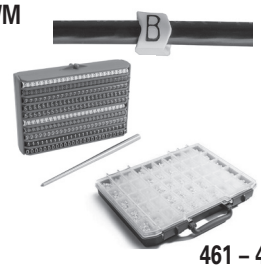

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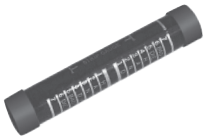
P840  77	AH 78	HT 79	INFORMATION SHEETS 80 – 87	COMPRESSION DIE INDEXES 88 – 89	ILC-15, ILC-15H, ILC-750 90

SureCrimp® Copper Compression Lugs
Standard Barrel - 1 Hole, w/Sight Hole
Conductor Range: 1/0 - #8

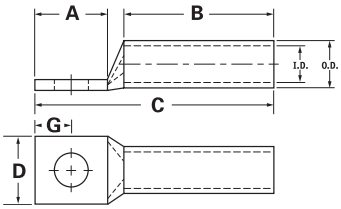
NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A

TYPE
CSWS

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90° C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Dimensions					Die Color Dode	Die Index	O.D.	I.D
						A	B	C	D	G				
CSWS-8-10	#8 AWG	#8 FLEX, #8 SOL	-	10	0.219	0.562	0.500	1.257	0.374	0.258	Red	I-21	0.272	0.179
CSWS-8-14	#8 AWG	#8 FLEX, #8 SOL	-	1/4	0.281	0.680	0.500	1.375	0.486	0.320	Red	I-21	0.272	0.179
CSWS-8-516	#8 AWG	#8 FLEX, #8 SOL	-	5/16	0.343	0.875	0.500	1.570	0.532	0.352	Red	I-21	0.272	0.179
CSWS-8-38	#8 AWG	#8 FLEX, #8 SOL	-	3/8	0.406	0.875	0.500	1.570	0.593	0.414	Red	I-21	0.272	0.179
CSWS-6-10	#6 AWG	#6 FLEX, #6 SOL	-	10	0.219	0.562	0.500	1.257	0.440	0.258	Blue	I-24	0.320	0.225
CSWS-6-14	#6 AWG	#6 FLEX, #6 SOL	-	1/4	0.281	0.680	0.500	1.375	0.440	0.320	Blue	I-24	0.320	0.225
CSWS-6-516	#6 AWG	#6 FLEX, #6 SOL	-	5/16	0.343	0.875	0.500	1.570	0.530	0.352	Blue	I-24	0.320	0.225
CSWS-6-38	#6 AWG	#6 FLEX, #6 SOL	-	3/8	0.406	0.875	0.500	1.570	0.598	0.414	Blue	I-24	0.320	0.225
CSWS-6-12	#6 AWG	#6 FLEX, #6 SOL	-	1/2	0.562	1.250	0.500	1.945	0.755	0.546	Blue	I-24	0.320	0.225
CSWS-4-10	#4 AWG	#4 SOL	4-6 AWG	10	0.219	0.562	0.500	1.296	0.486	0.258	Gray	I-29	0.343	0.250
CSWS-4-14	#4 AWG	#4 SOL	4-6 AWG	1/4	0.281	0.680	0.500	1.414	0.486	0.320	Gray	I-29	0.343	0.250
CSWS-4-516	#4 AWG	#4 SOL	4-6 AWG	5/16	0.343	0.875	0.500	1.609	0.486	0.352	Gray	I-29	0.343	0.250
CSWS-4-38	#4 AWG	#4 SOL	4-6 AWG	3/8	0.406	0.875	0.500	1.609	0.593	0.414	Gray	I-29	0.343	0.250
CSWS-4-12	#4 AWG	#4 SOL	4-6 AWG	1/2	0.562	1.250	0.500	1.984	0.750	0.546	Gray	I-29	0.343	0.250
CSWS-3-10	#3 AWG	#4 FLEX	3-6 AWG	10	0.219	0.562	0.625	1.442	0.532	0.258	White	I-29	0.375	0.275
CSWS-3-14	#3 AWG	#4 FLEX	3-6 AWG	1/4	0.281	0.680	0.625	1.560	0.532	0.320	White	I-29	0.375	0.275
CSWS-3-516	#3 AWG	#4 FLEX	3-6 AWG	5/16	0.343	0.875	0.625	1.755	0.532	0.352	White	I-29	0.375	0.275
CSWS-3-38	#3 AWG	#4 FLEX	3-6 AWG	3/8	0.406	0.875	0.625	1.755	0.593	0.414	White	I-29	0.375	0.275
CSWS-3-12	#3 AWG	#4 FLEX	3-6 AWG	1/2	0.562	1.250	0.625	2.130	0.750	0.546	White	I-29	0.375	0.275
CSWS-2-10	#2 AWG	#2 SOL	2-6 AWG	10	0.219	0.562	0.625	1.473	0.599	0.258	Brown	I-33	0.421	0.312
CSWS-2-14	#2 AWG	#2 SOL	2-6 AWG	1/4	0.281	0.680	0.625	1.591	0.599	0.320	Brown	I-33	0.421	0.312
CSWS-2-516	#2 AWG	#2 SOL	2-6 AWG	5/16	0.343	0.875	0.625	1.786	0.599	0.352	Brown	I-33	0.421	0.312
CSWS-2-38	#2 AWG	#2 SOL	2-6 AWG	3/8	0.406	0.875	0.625	1.786	0.599	0.414	Brown	I-33	0.421	0.312
CSWS-2-12	#2 AWG	#2 SOL	2-6 AWG	1/2	0.562	1.250	0.625	2.161	0.750	0.546	Brown	I-33	0.421	0.312
CSWS-1-10	#1 AWG	#2 FLEX	1-6 AWG	10	0.219	0.562	0.625	1.517	0.673	0.258	Green	I-37	0.468	0.359
CSWS-1-14	#1 AWG	#2 FLEX	1-6 AWG	1/4	0.281	0.875	0.625	1.830	0.673	0.320	Green	I-37	0.468	0.359
CSWS-1-516	#1 AWG	#2 FLEX	1-6 AWG	5/16	0.343	0.875	0.625	1.830	0.673	0.352	Green	I-37	0.468	0.359
CSWS-1-38	#1 AWG	#2 FLEX	1-6 AWG	3/8	0.406	0.875	0.625	1.830	0.673	0.414	Green	I-37	0.468	0.359
CSWS-1-12	#1 AWG	#2 FLEX	1-6 AWG	1/2	0.562	1.250	0.625	2.205	0.750	0.546	Green	I-37	0.468	0.359
CSWS-1/0-10	1/0 AWG	#1 FLEX	1/0-6 AWG	10	0.219	0.562	0.850	1.768	0.738	0.258	Pink	I-42	0.515	0.390
CSWS-1/0-14	1/0 AWG	#1 FLEX	1/0-6 AWG	1/4	0.281	0.875	0.850	2.081	0.738	0.320	Pink	I-42	0.515	0.390
CSWS-1/0-516	1/0 AWG	#1 FLEX	1/0-6 AWG	5/16	0.343	0.875	0.850	2.081	0.738	0.352	Pink	I-42	0.515	0.390
CSWS-1/0-38	1/0 AWG	#1 FLEX	1/0-6 AWG	3/8	0.406	0.875	0.850	2.081	0.738	0.414	Pink	I-42	0.515	0.390
CSWS-1/0-12	1/0 AWG	#1 FLEX	1/0-6 AWG	1/2	0.562	1.250	0.850	2.456	0.738	0.546	Pink	I-42	0.515	0.390

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* When installed with specified dieless tools See pages 80 to 90 for complete tooling information.
For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.
Tested to UL 486A/B, UL File E6207

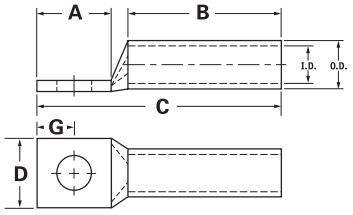
SureCrimp® Copper Compression Lugs
Standard Barrel - 1 Hole, w/Sight Hole
Conductor Range: 400kcmil - 2/0

NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A TYPE **CSWS**

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Dimensions					Die Color Dode	Die Index	O.D.	I.D
						A	B	C	D	G				
CSWS-2/0-10	2/0 AWG	1/0 FLEX	2/0-4 AWG	10	0.219	0.562	0.850	1.808	0.811	0.258	Black	I-45	0.562	0.437
CSWS-2/0-14	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/4	0.281	0.875	0.850	2.121	0.811	0.320	Black	I-45	0.562	0.437
CSWS-2/0-516	2/0 AWG	1/0 FLEX	2/0-4 AWG	5/16	0.343	0.875	0.850	2.121	0.811	0.352	Black	I-45	0.562	0.437
CSWS-2/0-38	2/0 AWG	1/0 FLEX	2/0-4 AWG	3/8	0.406	0.875	0.850	2.121	0.811	0.414	Black	I-45	0.562	0.437
CSWS-2/0-12	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/2	0.562	1.250	0.850	2.496	0.811	0.546	Black	I-45	0.562	0.437
CSWS-3/0-10	3/0 AWG	2/0 FLEX	3/0-2 AWG	10	0.219	0.562	0.850	1.851	0.885	0.258	Orange	I-50	0.609	0.484
CSWS-3/0-14	3/0 AWG	2/0 FLEX	3/0-2 AWG	1/4	0.281	0.875	0.850	2.164	0.885	0.320	Orange	I-50	0.609	0.484
CSWS-3/0-516	3/0 AWG	2/0 FLEX	3/0-2 AWG	5/16	0.343	0.875	0.850	2.164	0.885	0.352	Orange	I-50	0.609	0.484
CSWS-3/0-38	3/0 AWG	2/0 FLEX	3/0-2 AWG	3/8	0.406	0.875	0.850	2.164	0.885	0.414	Orange	I-50	0.609	0.484
CSWS-3/0-12	3/0 AWG	2/0 FLEX	3/0-2 AWG	1/2	0.562	1.250	0.850	2.539	0.885	0.546	Orange	I-50	0.609	0.484
CSWS-4/0-14	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/4	0.281	0.875	0.975	2.341	0.999	0.320	Purple	I-54	0.687	0.546
CSWS-4/0-516	4/0 AWG	3/0 FLEX	4/0-1 AWG	5/16	0.343	0.875	0.975	2.341	0.999	0.352	Purple	I-54	0.687	0.546
CSWS-4/0-38	4/0 AWG	3/0 FLEX	4/0-1 AWG	3/8	0.406	0.875	0.975	2.341	0.999	0.414	Purple	I-54	0.687	0.546
CSWS-4/0-12	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/2	0.562	1.250	0.975	2.716	0.999	0.546	Purple	I-54	0.687	0.546
CSWS-250-516	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	5/16	0.343	0.875	1.163	2.569	1.088	0.352	Yellow	I-62	0.750	0.593
CSWS-250-38	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	3/8	0.406	0.875	1.163	2.569	1.088	0.414	Yellow	I-62	0.750	0.593
CSWS-250-12	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	1/2	0.562	1.250	1.163	2.944	1.088	0.546	Yellow	I-62	0.750	0.593
CSWS-300-516	300kcmil	250 G,H FLEX	300kcmil - 2/0 AWG	5/16	0.343	0.875	1.163	2.625	1.189	0.352	White	I-66	0.812	0.660
CSWS-300-38	300kcmil	250 G,H FLEX	300kcmil - 2/0 AWG	3/8	0.406	0.875	1.163	2.625	1.189	0.414	White	I-66	0.812	0.660
CSWS-300-12	300kcmil	250 G,H FLEX	300kcmil - 2/0 AWG	1/2	0.562	1.250	1.163	3.000	1.189	0.546	White	I-66	0.812	0.660
CSWS-300-58	300kcmil	250 G,H FLEX	300kcmil - 2/0 AWG	5/8	0.656	1.437	1.163	3.187	1.189	0.671	White	I-66	0.812	0.660
CSWS-350-38	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	3/8	0.406	0.875	1.063	2.561	1.291	0.414	Red	I-71	0.890	0.703
CSWS-350-12	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	1/2	0.562	1.250	1.063	2.936	1.291	0.546	Red	I-71	0.890	0.703
CSWS-350-58	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	5/8	0.656	1.437	1.063	3.123	1.291	0.671	Red	I-71	0.890	0.703
CSWS-400-38	400kcmil	300 G,H,I,K,M FLEX 313.1 DLO	400kcmil - 4/0 AWG	3/8	0.406	0.875	1.188	2.730	1.365	0.414	Blue	I-76	0.937	0.750
CSWS-400-12	400kcmil	300 G,H,I,K,M FLEX 313.1 DLO	400kcmil - 4/0 AWG	1/2	0.562	1.250	1.188	3.105	1.365	0.546	Blue	I-76	0.937	0.750
CSWS-400-58	400kcmil	300 G,H,I,K,M FLEX 313.1 DLO	400kcmil - 4/0 AWG	5/8	0.656	1.437	1.188	3.292	1.365	0.671	Blue	I-76	0.937	0.750

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See pages 80 to 90 for complete tooling information.
For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.
Tested to UL 486A/B, UL File E6207

4730 Madison Road, Cincinnati OH 45227-1426 | PH: 513.533.6200 | FAX: 513.871.4084 | www.ilsco.com
In Canada: 615 B Orwell Street, Mississauga, Ontario, Canada L5A 2W4 | PH: 905.274.2341 | FAX: 905.279.2682

SureCrimp® Copper Compression Lugs
Standard Barrel - 1 Hole, w/Sight Hole
Conductor Range: 1000kcmil - 500kcmil

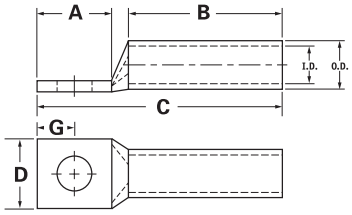
NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A

TYPE
CSWS

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90° C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Dimensions					Die Color Dode	Die Index	O.D.	I.D
						A	B	C	D	G				
CSWS500-38	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	3/8	0.406	0.875	1.300	2.907	1.535	0.546	Brown	I-87	1.062	0.828
CSWS-500-12	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	1/2	0.562	1.250	1.300	3.282	1.535	0.414	Brown	I-87	1.062	0.828
CSWS-500-58	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	5/8	0.656	1.437	1.300	3.469	1.535	0.671	Brown	I-87	1.062	0.828
CSWS-600-38	600kcmil	400 G,H,I,K,M FLEX 444.4 DLO	600kcmil - 250kcmil	3/8	0.406	0.875	1.375	3.059	1.712	0.414	Green	I-94	1.187	0.920
CSWS-600-12	600kcmil	400 G,H,I,K,M FLEX 444.4 DLO	600kcmil - 250kcmil	1/2	0.562	1.250	1.375	3.434	1.712	0.546	Green	I-94	1.187	0.920
CSWS-600-58	600kcmil	400 G,H,I,K,M FLEX 444.4 DLO	600kcmil - 250kcmil	5/8	0.656	1.437	1.375	3.621	1.712	0.671	Green	I-94	1.187	0.920
CSWS-650-516	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	5/16	0.343	0.875	1.375	3.119	1.764	0.352	Pink	I-99	1.217	0.958
CSWS-650-38	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	3/8	0.406	0.875	1.375	3.119	1.764	0.414	Pink	I-99	1.217	0.958
CSWS-650-12	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	1/2	0.562	1.25	1.375	3.494	1.764	0.546	Pink	I-99	1.217	0.958
CSWS-650-58	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	5/8	0.656	1.437	1.375	3.681	1.764	0.671	Pink	I-99	1.217	0.958
CSWS-700-38	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	3/8	0.406	0.875	1.375	3.119	1.816	0.414	Pink	I-99	1.250	0.991
CSWS-700-12	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	1/2	0.562	1.250	1.375	3.494	1.816	0.546	Pink	I-99	1.250	0.991
CSWS-700-58	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	5/8	0.656	1.437	1.375	3.681	1.816	0.671	Pink	I-99	1.250	0.991
CSWS-750-38	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750 kcmil - 500kcmil	3/8	0.406	0.875	1.500	3.277	1.901	0.414	Black	I-106	1.313	1.031
CSWS-750-12	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	1/2	0.562	1.250	1.500	3.652	1.901	0.546	Black	I-106	1.313	1.031
CSWS-750-58	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	5/8	0.656	1.437	1.500	3.839	1.901	0.671	Black	I-106	1.313	1.031
CSWS-1000-38	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	3/8	0.406	0.875	1.625	3.525	2.169	0.414	White	I-125	1.500	1.172
CSWS-1000-12	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	1/2	0.562	1.250	1.625	3.900	2.169	0.546	White	I-125	1.500	1.172
CSWS-1000-58	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	5/8	0.656	1.437	1.625	4.087	2.169	0.671	White	I-125	1.500	1.172

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
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Tested to UL 486A/B, UL File E6207

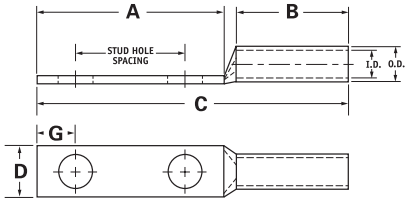
SureCrimp® Copper Compression Lugs
Standard Barrel - 2 Hole, w/Sight Hole
Conductor Range: #6 - #8

NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | CSA LR-29601

A TYPE **CSWD**

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CSWD-8-10-58	#8 AWG	#8 FLEX, #8 SOL	-	10	0.219	0.625	1.250	0.500	1.945	0.374	0.258	Red	I-21	0.272	0.179
CSWD-8-10-34	#8 AWG	#8 FLEX, #8 SOL	-	10	0.219	0.750	1.437	0.500	2.132	0.374	0.258	Red	I-21	0.272	0.179
CSWD-8-14-58	#8 AWG	#8 FLEX, #8 SOL	-	1/4	0.281	0.625	1.437	0.500	2.132	0.486	0.320	Red	I-21	0.272	0.179
CSWD-8-14-34	#8 AWG	#8 FLEX, #8 SOL	-	1/4	0.281	0.750	1.437	0.500	2.132	0.486	0.320	Red	I-21	0.272	0.179
CSWD-8-14-1	#8 AWG	#8 FLEX, #8 SOL	-	1/4	0.281	1.000	1.687	0.500	2.382	0.486	0.320	Red	I-21	0.272	0.179
CSWD-8-38-1	#8 AWG	#8 FLEX, #8 SOL	-	3/8	0.406	1.000	1.937	0.500	2.632	0.593	0.414	Red	I-21	0.272	0.179
CSWD-6-10-12	#6 AWG	#6 FLEX, #6 SOL	-	10	0.219	0.500	1.250	0.500	1.945	0.440	0.258	Blue	I-24	0.320	0.225
CSWD-6-10-58	#6 AWG	#6 FLEX, #6 SOL	-	10	0.219	0.625	1.250	0.500	1.945	0.440	0.258	Blue	I-24	0.320	0.225
CSWD-6-10-1116	#6 AWG	#6 FLEX, #6 SOL	-	10	0.219	0.687	1.250	0.500	1.945	0.440	0.258	Blue	I-24	0.320	0.225
CSWD-6-10-34	#6 AWG	#6 FLEX, #6 SOL	-	10	0.219	0.750	1.437	0.500	2.132	0.440	0.258	Blue	I-24	0.320	0.225
CSWD-6-14-12	#6 AWG	#6 FLEX, #6 SOL	-	1/4	0.281	0.500	1.250	0.500	1.945	0.440	0.320	Blue	I-24	0.320	0.225
CSWD-6-14-58	#6 AWG	#6 FLEX, #6 SOL	-	1/4	0.281	0.625	1.437	0.500	2.132	0.440	0.320	Blue	I-24	0.320	0.225
CSWD-6-14-34	#6 AWG	#6 FLEX, #6 SOL	-	1/4	0.281	0.750	1.437	0.500	2.132	0.440	0.320	Blue	I-24	0.320	0.225
CSWD-6-14-1	#6 AWG	#6 FLEX, #6 SOL	-	1/4	0.281	1.000	1.687	0.500	2.382	0.440	0.320	Blue	I-24	0.320	0.225
CSWD-6-516-34	#6 AWG	#6 FLEX, #6 SOL	-	5/16	0.343	0.750	1.687	0.500	2.382	0.530	0.352	Blue	I-24	0.320	0.225
CSWD-6-516-1	#6 AWG	#6 FLEX, #6 SOL	-	5/16	0.343	1.000	1.937	0.500	2.632	0.530	0.352	Blue	I-24	0.320	0.225
CSWD-6-38-34	#6 AWG	#6 FLEX, #6 SOL	-	3/8	0.406	0.750	1.687	0.500	2.382	0.598	0.414	Blue	I-24	0.320	0.225
CSWD-6-38-78	#6 AWG	#6 FLEX, #6 SOL	-	3/8	0.406	0.875	1.937	0.500	2.632	0.598	0.414	Blue	I-24	0.320	0.225
CSWD-6-38-1	#6 AWG	#6 FLEX, #6 SOL	-	3/8	0.406	1.000	1.937	0.500	2.632	0.598	0.414	Blue	I-24	0.320	0.225
CSWD-6-12-134	#6 AWG	#6 FLEX, #6 SOL	-	1/2	0.562	1.750	3.000	0.500	3.695	0.755	0.546	Blue	I-24	0.320	0.225

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* When installed with specified dieless tools
See pages 80 to 90 for complete tooling information.
For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.
Tested to UL 486A/B, UL File E6207

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SureCrimp® Copper Compression Lugs
Standard Barrel - 2 Hole, w/Sight Hole
Conductor Range: #3 - #4

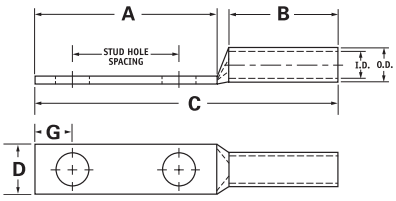
NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A

TYPE
CSWD

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90° C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CSWD-4-10-58	#4 AWG	#4 SOL	4-6 AWG	10	0.219	0.625	1.250	0.500	1.984	0.486	0.258	Gray	I-29	0.343	0.250
CSWD-4-10-34	#4 AWG	#4 SOL	4-6 AWG	10	0.219	0.750	1.437	0.500	2.171	0.486	0.258	Gray	I-29	0.343	0.250
CSWD-4-10-1	#4 AWG	#4 SOL	4-6 AWG	10	0.219	1.000	1.687	0.500	2.421	0.486	0.258	Gray	I-29	0.343	0.250
CSWD-4-14-58	#4 AWG	#4 SOL	4-6 AWG	1/4	0.281	0.625	1.437	0.500	2.171	0.486	0.320	Gray	I-29	0.343	0.250
CSWD-4-14-34	#4 AWG	#4 SOL	4-6 AWG	1/4	0.281	0.750	1.437	0.500	2.171	0.486	0.320	Gray	I-29	0.343	0.250
CSWD-4-14-1	#4 AWG	#4 SOL	4-6 AWG	1/4	0.281	1.000	1.687	0.500	2.421	0.486	0.320	Gray	I-29	0.343	0.250
CSWD-4-516-1	#4 AWG	#4 SOL	4-6 AWG	1/4	0.343	1.000	1.937	0.500	2.671	0.486	0.320	Gray	I-29	0.343	0.250
CSWD-4-38-34	#4 AWG	#4 SOL	4-6 AWG	3/8	0.406	0.750	1.687	0.500	2.421	0.593	0.414	Gray	I-29	0.343	0.250
CSWD-4-38-1	#4 AWG	#4 SOL	4-6 AWG	3/8	0.406	1.000	1.937	0.500	2.671	0.593	0.414	Gray	I-29	0.343	0.250
CSWD-4-12-134	#4 AWG	#4 SOL	4-6 AWG	1/2	0.562	1.750	3.000	0.500	3.734	0.750	0.546	Gray	I-29	0.343	0.250
CSWD-3-14-58	#3 AWG	#4 FLEX	3-6 AWG	1/4	0.281	0.625	1.437	0.625	2.317	0.532	0.320	White	I-29	0.375	0.275
CSWD-3-14-34	#3 AWG	#4 FLEX	3-6 AWG	1/4	0.281	0.750	1.437	0.625	2.317	0.532	0.320	White	I-29	0.375	0.275
CSWD-3-516-1	#3 AWG	#4 FLEX	3-6 AWG	5/16	0.343	1.000	1.937	0.625	2.817	0.532	0.352	White	I-29	0.375	0.275
CSWD-3-38-34	#3 AWG	#4 FLEX	3-6 AWG	3/8	0.406	0.750	1.687	0.625	2.567	0.593	0.414	White	I-29	0.375	0.275
CSWD-3-38-1	#3 AWG	#4 FLEX	3-6 AWG	3/8	0.406	1.000	1.937	0.625	2.817	0.593	0.414	White	I-29	0.375	0.275
CSWD-3-12-134	#3 AWG	#4 FLEX	3-6 AWG	1/2	0.562	1.750	3.000	0.625	3.880	0.750	0.546	White	I-29	0.375	0.275

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* When installed with specified dieless tools
See pages 80 to 90 for complete tooling information.
For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.
Tested to UL 486A/B, UL File E6207

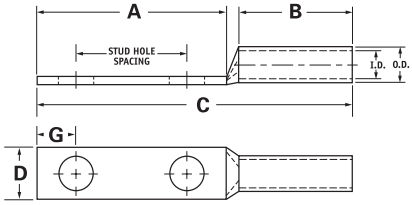
SureCrimp® Copper Compression Lugs
Standard Barrel - 2 Hole, w/Sight Hole
Conductor Range: 1/0 - #2

NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A TYPE **CSWD**

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CSWD-2-10-34	#2 AWG	#2 SOL	2-6 AWG	10	0.219	0.750	1.437	0.625	2.348	0.599	0.258	Brown	I-33	0.421	0.312
CSWD-2-14-58	#2 AWG	#2 SOL	2-6 AWG	1/4	0.281	0.625	1.437	0.625	2.348	0.599	0.320	Brown	I-33	0.421	0.312
CSWD-2-14-34	#2 AWG	#2 SOL	2-6 AWG	1/4	0.281	0.750	1.437	0.625	2.348	0.599	0.320	Brown	I-33	0.421	0.312
CSWD-2-14-1	#2 AWG	#2 SOL	2-6 AWG	1/4	0.281	1.000	1.687	0.625	2.598	0.599	0.320	Brown	I-33	0.421	0.312
CSWD-2-516-34	#2 AWG	#2 SOL	2-6 AWG	5/16	0.343	0.750	1.687	0.625	2.598	0.599	0.352	Brown	I-33	0.421	0.312
CSWD-2-516-1	#2 AWG	#2 SOL	2-6 AWG	5/16	0.343	1.000	1.937	0.625	2.848	0.599	0.352	Brown	I-33	0.421	0.312
CSWD-2-38-34	#2 AWG	#2 SOL	2-6 AWG	3/8	0.406	0.750	1.687	0.625	2.598	0.599	0.414	Brown	I-33	0.421	0.312
CSWD-2-38-78	#2 AWG	#2 SOL	2-6 AWG	3/8	0.406	0.875	1.937	0.625	2.848	0.599	0.414	Brown	I-33	0.421	0.312
CSWD-2-38-1	#2 AWG	#2 SOL	2-6 AWG	3/8	0.406	1.000	1.937	0.625	2.848	0.599	0.414	Brown	I-33	0.421	0.312
CSWD-2-38-134	#2 AWG	#2 SOL	2-6 AWG	3/8	0.406	1.750	2.625	0.625	3.536	0.599	0.414	Brown	I-33	0.421	0.312
CSWD-2-12-134	#2 AWG	#2 SOL	2-6 AWG	1/2	0.562	1.750	3.000	0.625	3.911	0.750	0.546	Brown	I-33	0.421	0.312
CSWD-1-14-58	#1 AWG	#2 FLEX	1-6 AWG	1/4	0.281	0.625	1.437	0.625	2.392	0.673	0.320	Green	I-37	0.468	0.359
CSWD-1-14-34	#1 AWG	#2 FLEX	1-6 AWG	1/4	0.281	0.750	1.437	0.625	2.392	0.673	0.320	Green	I-37	0.468	0.359
CSWD-1-14-1	#1 AWG	#2 FLEX	1-6 AWG	1/4	0.281	1.000	1.687	0.625	2.642	0.673	0.320	Green	I-37	0.468	0.359
CSWD-1-516-78	#1 AWG	#2 FLEX	1-6 AWG	5/16	0.343	0.875	1.687	0.625	2.642	0.673	0.352	Green	I-37	0.468	0.359
CSWD-1-516-1	#1 AWG	#2 FLEX	1-6 AWG	5/16	0.343	1.000	1.937	0.625	2.892	0.673	0.352	Green	I-37	0.468	0.359
CSWD-1-38-1	#1 AWG	#2 FLEX	1-6 AWG	3/8	0.406	1.000	1.937	0.625	2.892	0.673	0.414	Green	I-37	0.468	0.359
CSWD-1-12-134	#1 AWG	#2 FLEX	1-6 AWG	1/2	0.562	1.750	3.000	0.625	3.955	0.750	0.546	Green	I-37	0.468	0.359
CSWD-1/0-14-58	1/0 AWG	#1 FLEX	1/0-6 AWG	1/4	0.281	0.625	1.437	0.850	2.643	0.738	0.320	Pink	I-42	0.515	0.390
CSWD-1/0-14-34	1/0 AWG	#1 FLEX	1/0-6 AWG	1/4	0.281	0.750	1.437	0.850	2.643	0.738	0.320	Pink	I-42	0.515	0.390
CSWD-1/0-14-1	1/0 AWG	#1 FLEX	1/0-6 AWG	1/4	0.281	1.000	1.687	0.850	2.893	0.738	0.320	Pink	I-42	0.515	0.390
CSWD-1/0-516-34	1/0 AWG	#1 FLEX	1/0-6 AWG	5/16	0.343	0.750	1.687	0.850	2.893	0.738	0.352	Pink	I-42	0.515	0.390
CSWD-1/0-516-78	1/0 AWG	#1 FLEX	1/0-6 AWG	5/16	0.343	0.875	1.687	0.850	2.893	0.738	0.352	Pink	I-42	0.515	0.390
CSWD-1/0-516-1	1/0 AWG	#1 FLEX	1/0-6 AWG	5/16	0.343	1.000	1.937	0.850	3.143	0.738	0.352	Pink	I-42	0.515	0.390
CSWD-1/0-38-1	1/0 AWG	#1 FLEX	1/0-6 AWG	3/8	0.406	1.000	1.937	0.850	3.143	0.738	0.414	Pink	I-42	0.515	0.390
CSWD-1/0-38-134	1/0 AWG	#1 FLEX	1/0-6 AWG	3/8	0.406	1.750	2.625	0.850	3.831	0.738	0.414	Pink	I-42	0.515	0.390
CSWD-1/0-12-1	1/0 AWG	#1 FLEX	1/0-6 AWG	1/2	0.562	1.000	2.125	0.850	3.331	0.738	0.546	Pink	I-42	0.515	0.390
CSWD-1/0-12-134	1/0 AWG	#1 FLEX	1/0-6 AWG	1/2	0.562	1.750	3.000	0.850	4.206	0.738	0.546	Pink	I-42	0.515	0.390

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
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SureCrimp® Copper Compression Lugs
Standard Barrel - 2 Hole, w/Sight Hole
Conductor Range: 4/0 - 2/0

NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A

TYPE
CSWD

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
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- For direct bury 500 kcmil - 10 grounding and bonding
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Benefits
- Offers maximum conductivity and excellent crimping characteristics
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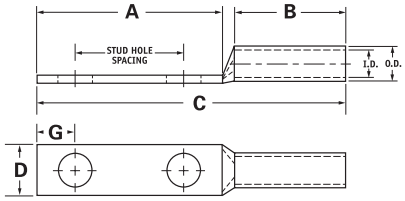


Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CSWD-2/0-14-58	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/4	0.281	0.625	1.437	0.850	2.683	0.811	0.320	Black	I-45	0.562	0.437
CSWD-2/0-14-34	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/4	0.281	0.750	1.437	0.850	2.683	0.811	0.320	Black	I-45	0.562	0.437
CSWD-2/0-14-1	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/4	0.281	1.000	1.687	0.850	2.933	0.811	0.320	Black	I-45	0.562	0.437
CSWD-2/0-516-78	2/0 AWG	1/0 FLEX	2/0-4 AWG	5/16	0.343	0.875	1.687	0.850	2.933	0.811	0.352	Black	I-45	0.562	0.437
CSWD-2/0-516-1	2/0 AWG	1/0 FLEX	2/0-4 AWG	5/16	0.343	1.000	1.937	0.850	3.183	0.811	0.352	Black	I-45	0.562	0.437
CSWD-2/0-38-1	2/0 AWG	1/0 FLEX	2/0-4 AWG	3/8	0.406	1.000	1.937	0.850	3.183	0.811	0.414	Black	I-45	0.562	0.437
CSWD-2/0-38-134	2/0 AWG	1/0 FLEX	2/0-4 AWG	3/8	0.406	1.750	2.625	0.850	3.871	0.811	0.414	Black	I-45	0.562	0.437
CSWD-2/0-12-1	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/2	0.562	1.000	2.125	0.850	3.371	0.811	0.546	Black	I-45	0.562	0.437
CSWD-2/0-12-134	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/2	0.562	1.750	3.000	0.850	4.246	0.811	0.546	Black	I-45	0.562	0.437
CSWD-3/0-14-58	3/0 AWG	2/0 FLEX	3/0-2 AWG	1/4	0.281	0.625	1.437	0.850	2.726	0.885	0.320	Orange	I-50	0.609	0.484
CSWD-3/0-14-34	3/0 AWG	2/0 FLEX	3/0-2 AWG	1/4	0.281	0.750	1.437	0.850	2.726	0.885	0.320	Orange	I-50	0.609	0.484
CSWD-3/0-516-1	3/0 AWG	2/0 FLEX	3/0-2 AWG	5/16	0.343	1.000	1.937	0.850	3.226	0.885	0.352	Orange	I-50	0.609	0.484
CSWD-3/0-38-1	3/0 AWG	2/0 FLEX	3/0-2 AWG	3/8	0.406	1.000	1.937	0.850	3.226	0.885	0.414	Orange	I-50	0.609	0.484
CSWD-3/0-12-134	3/0 AWG	2/0 FLEX	3/0-2 AWG	1/2	0.562	1.750	3.000	0.850	4.289	0.885	0.546	Orange	I-50	0.609	0.484
CSWD-4/0-14-58	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/4	0.281	0.625	1.437	0.975	2.903	0.999	0.320	Purple	I-54	0.687	0.546
CSWD-4/0-14-34	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/4	0.281	0.750	1.437	0.975	2.903	0.999	0.320	Purple	I-54	0.687	0.546
CSWD-4/0-14-1	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/4	0.281	1.000	1.687	0.975	3.153	0.999	0.320	Purple	I-54	0.687	0.546
CSWD-4/0-516-34	4/0 AWG	3/0 FLEX	4/0-1 AWG	5/16	0.343	0.750	1.687	0.975	3.153	0.999	0.352	Purple	I-54	0.687	0.546
CSWD-4/0-516-1	4/0 AWG	3/0 FLEX	4/0-1 AWG	5/16	0.343	1.000	1.937	0.975	3.403	0.999	0.352	Purple	I-54	0.687	0.546
CSWD-4/0-516-134	4/0 AWG	3/0 FLEX	4/0-1 AWG	5/16	0.343	1.750	2.500	0.975	3.966	0.999	0.352	Purple	I-54	0.687	0.546
CSWD-4/0-38-1	4/0 AWG	3/0 FLEX	4/0-1 AWG	3/8	0.406	1.000	1.937	0.975	3.403	0.999	0.414	Purple	I-54	0.687	0.546
CSWD-4/0-38-134	4/0 AWG	3/0 FLEX	4/0-1 AWG	3/8	0.406	1.750	2.625	0.975	4.091	0.999	0.414	Purple	I-54	0.687	0.546
CSWD-4/0-12-1	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/2	0.562	1.000	2.125	0.975	3.591	0.999	0.546	Purple	I-54	0.687	0.546
CSWD-4/0-12-114	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/2	0.562	1.250	2.500	0.975	3.966	0.999	0.546	Purple	I-54	0.687	0.546
CSWD-4/0-12-134	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/2	0.562	1.750	3.000	0.975	4.466	0.999	0.546	Purple	I-54	0.687	0.546

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* When installed with specified dieless tools
See pages 80 to 90 for complete tooling information.
For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg.
Tested to UL 486A/B, UL File E6207

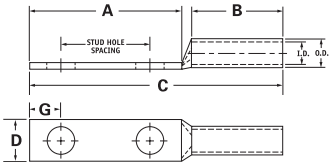
SureCrimp® Copper Compression Lugs
Standard Barrel - 2 Hole, w/Sight Hole
Conductor Range: 500kcmil - 250kcmil

NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A TYPE **CSWD**

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CSWD-250-14-34	250kcmil	4/0 FLEX	250kcmil -1/0 AWG	1/4	0.281	0.750	1.437	1.163	3.131	1.088	0.320	Yellow	I-62	0.750	0.593
CSWD-250-38-1	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	3/8	0.406	1.00	1.937	1.163	3.631	1.088	0.414	Yellow	I-62	0.750	0.593
CSWD-250-38-134	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	3/8	0.406	1.750	2.625	1.163	4.319	1.088	0.414	Yellow	I-62	0.750	0.593
CSWD-250-12-114	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	1/2	0.562	1.250	2.500	1.163	4.194	1.088	0.546	Yellow	I-62	0.750	0.593
CSWD-250-12-134	250kcmil	4/0 FLEX	250kcmil -1/0 AWG	1/2	0.562	1.750	3.000	1.163	4.694	1.088	0.546	Yellow	I-62	0.750	0.593
CSWD-300-38-1	300kcmil	250 G,H FLEX	300kcmil -2/0 AWG	3/8	0.406	1.000	1.937	1.163	3.687	1.189	0.414	White	I-66	0.812	0.660
CSWD-300-12-134	300kcmil	250 G,H FLEX	300kcmil -2/0 AWG	1/2	0.562	1.750	3.000	1.163	4.750	1.189	0.546	White	I-66	0.812	0.660
CSWD-350-14-34	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	1/4	0.281	0.750	1.437	1.063	3.123	1.291	0.320	Red	I-71	0.890	0.703
CSWD-350-516-134	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	5/16	0.343	1.750	2.500	1.063	4.186	1.291	0.352	Red	I-71	0.890	0.703
CSWD-350-38-1	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	3/8	0.406	1.000	1.937	1.063	3.623	1.291	0.414	Red	I-71	0.890	0.703
CSWD-350-12-114	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	1/2	0.562	1.250	2.500	1.063	4.186	1.291	0.546	Red	I-71	0.890	0.703
CSWD-350-12-134	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	1/2	0.562	1.750	3.000	1.063	4.686	1.291	0.546	Red	I-71	0.890	0.703
CSWD-400-38-1	400kcmil	300 G,H,I,K,M FLEX 313.1 DLO	400kcmil - 4/0 AWG	3/8	0.406	1.000	1.937	1.188	3.792	1.365	0.414	Blue	I-76	0.937	0.750
CSWD-400-38-116	400kcmil	300 G,H,I,K,M FLEX 313.1 DLO	400kcmil - 4/0 AWG	3/8	0.406	1.062	1.937	1.188	3.792	1.365	0.414	Blue	I-76	0.937	0.750
CSWD-400-12-134	400kcmil	300 G,H,I,K,M FLEX 313.1 DLO	400kcmil - 4/0 AWG	1/2	0.562	1.750	3.000	1.188	4.855	1.365	0.546	Blue	I-76	0.937	0.750
CSWD-500-14-34	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	1/4	0.281	0.750	1.437	1.300	3.469	1.535	0.320	Brown	I-87	1.062	0.828
CSWD-500-38-1	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	3/8	0.406	1.000	1.937	1.300	3.969	1.535	0.414	Brown	I-87	1.062	0.828
CSWD-500-12-114	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	1/2	0.562	1.250	2.500	1.300	4.532	1.535	0.546	Brown	I-87	1.062	0.828
CSWD-500-12-134	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	1/2	0.562	1.750	3.000	1.300	5.032	1.535	0.546	Brown	I-87	1.062	0.828

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) * When installed with specified dieless tools See pages 80 to 90 for complete tooling information.
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In Canada: 615 B Orwell Street, Mississauga, Ontario, Canada L5A 2W4 | PH: 905.274.2341 | FAX: 905.279.2682

SureCrimp® Copper Compression Lugs
Standard Barrel - 2 Hole w/Sight Hole
Conductor Range: 1000kcmil - 600kcmil

NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A

TYPE
CSWD

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90° C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility

Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CSWD-600-38-1	600kcmil	400 G,H,I,K,M FLEX 444.4 DLO	600kcmil - 250kcmil	3/8	0.406	1.000	1.937	1.375	4.121	1.712	0.414	Green	I-94	1.187	0.920
CSWD-600-12-134	600kcmil	400 G,H,I,K,M FLEX 444.4 DLO	600kcmil - 250kcmil	1/2	0.562	1.750	3.000	1.375	5.184	1.712	0.546	Green	I-94	1.187	0.920
CSWD-650-12-134	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	1/2	0.562	1.750	3.000	1.375	5.244	1.764	0.546	Pink	I-99	1.217	0.958
CSWD-650-12-114	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	1/2	0.562	1.250	2.500	1.375	4.744	1.764	0.546	Pink	I-99	1.217	0.958
CSWD-650-38-1	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	3/8	0.406	1.000	1.937	1.375	4.181	1.764	0.414	Pink	I-99	1.217	0.958
CSWD-650-38-118	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	3/8	0.406	1.125	2.125	1.375	4.369	1.764	0.414	Pink	I-99	1.217	0.958
CSWD-650-516-1	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	1/32	0.343	1.000	1.937	1.375	4.181	1.764	0.352	Pink	I-99	1.217	0.958
CSWD-700-38-1	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	3/8	0.406	1.000	1.937	1.375	4.181	1.816	0.414	Pink	I-99	1.250	0.991
CSWD-700-12-114	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	1/2	0.562	1.250	2.500	1.375	4.744	1.816	0.546	Pink	I-99	1.250	0.991
CSWD-700-12-134	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	1/2	0.562	1.750	3.000	1.375	5.244	1.816	0.546	Pink	I-99	1.250	0.991
CSWD-700-12-178	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	1/2	0.562	1.875	3.000	1.375	5.244	1.816	0.546	Pink	I-99	1.250	0.991
CSWD-750-38-1	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	3/8	0.406	1.000	1.937	1.500	4.339	1.901	0.414	Black	I-106	1.313	1.031
CSWD-750-38-118	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	3/8	0.406	1.125	2.125	1.500	4.527	1.901	0.414	Black	I-106	1.313	1.031
CSWD-750-12-112	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	1/2	0.562	1.500	2.625	1.500	5.027	1.901	0.546	Black	I-106	1.313	1.031
CSWD-750-12-134	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	1/2	0.562	1.750	3.000	1.500	5.402	1.901	0.546	Black	I-106	1.313	1.031
CSWD-750-58-112	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	5/8	0.656	1.500	3.000	1.500	5.402	1.901	0.671	Black	I-106	1.313	1.031
CSWD-1000-38-1	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	3/8	0.406	1.000	1.937	1.625	4.587	2.169	0.414	White	I-125	1.500	1.172
CSWD-1000-12-114	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil -750kcmil	1/2	0.562	1.250	2.500	1.625	5.150	2.169	0.546	White	I-125	1.500	1.172
CSWD-1000-12-134	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil -750kcmil	1/2	0.562	1.750	3.000	1.625	5.650	2.169	0.546	White	I-125	1.500	1.172
CSWD-1000-58-112	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil -750kcmil	5/8	0.656	1.500	3.000	1.625	5.650	2.169	0.671	White	I-125	1.500	1.172

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) * When installed with specified dieless tools See pages 80 to 90 for complete tooling information.
For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg. Tested to UL 486A/B, UL File E6207

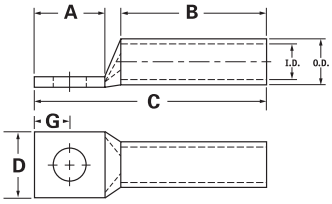
SureCrimp® Copper Compression Lugs
Long Barrel - 1 Hole, w/Sight Hole
Conductor Range: 1/0 - #8

NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | CSA LR-29601

A TYPE **CLWS**

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Dimensions					Die Color Dode	Die Index	O.D.	I.D
						A	B	C	D	G				
CLWS-8-10	#8 AWG	#8 FLEX, #8 SOL	-	10	0.219	0.562	0.812	1.569	0.374	0.258	Red	I-21	0.272	0.179
CLWS-8-14	#8 AWG	#8 FLEX, #8 SOL	-	1/4	0.281	0.680	0.812	1.687	0.486	0.320	Red	I-21	0.272	0.179
CLWS-8-516	#8 AWG	#8 FLEX, #8 SOL	-	5/16	0.343	0.875	0.812	1.882	0.532	0.352	Red	I-21	0.272	0.179
CLWS-8-38	#8 AWG	#8 FLEX, #8 SOL	-	3/8	0.406	0.875	0.812	1.882	0.593	0.414	Red	I-21	0.272	0.179
CLWS-6-10	#6 AWG	#6 FLEX, #6 SOL	-	10	0.219	0.562	1.125	1.882	0.440	0.258	Blue	I-24	0.320	0.225
CLWS-6-14	#6 AWG	#6 FLEX, #6 SOL	-	1/4	0.281	0.680	1.125	2.000	0.440	0.320	Blue	I-24	0.320	0.225
CLWS-6-516	#6 AWG	#6 FLEX, #6 SOL	-	5/16	0.343	0.875	1.125	2.195	0.530	0.352	Blue	I-24	0.320	0.225
CLWS-6-38	#6 AWG	#6 FLEX, #6 SOL	-	3/8	0.406	0.875	1.125	2.195	0.598	0.414	Blue	I-24	0.320	0.225
CLWS-6-12	#6 AWG	#6 FLEX, #6 SOL	-	1/2	0.562	1.250	1.125	2.570	0.755	0.546	Blue	I-24	0.320	0.225
CLWS-4-10	#4 AWG	#4 SOL	4-6 AWG	10	0.219	0.562	1.125	1.921	0.486	0.258	Gray	I-29	0.343	0.250
CLWS-4-14	#4 AWG	#4 SOL	4-6 AWG	1/4	0.281	0.680	1.125	2.039	0.486	0.320	Gray	I-29	0.343	0.250
CLWS-4-516	#4 AWG	#4 SOL	4-6 AWG	5/16	0.343	0.875	1.125	2.234	0.486	0.352	Gray	I-29	0.343	0.250
CLWS-4-38	#4 AWG	#4 SOL	4-6 AWG	3/8	0.406	0.875	1.125	2.234	0.593	0.414	Gray	I-29	0.343	0.250
CLWS-4-12	#4 AWG	#4 SOL	4-6 AWG	1/2	0.562	1.250	1.125	2.609	0.750	0.546	Gray	I-29	0.343	0.250
CLWS-3-10	#3 AWG	#4 FLEX	3-6 AWG	10	0.219	0.562	1.125	1.942	0.532	0.258	White	I-29	0.375	0.275
CLWS-3-14	#3 AWG	#4 FLEX	3-6 AWG	1/4	0.281	0.680	1.125	2.060	0.532	0.320	White	I-29	0.375	0.275
CLWS-3-516	#3 AWG	#4 FLEX	3-6 AWG	5/16	0.343	0.875	1.125	2.255	0.532	0.352	White	I-29	0.375	0.275
CLWS-3-38	#3 AWG	#4 FLEX	3-6 AWG	3/8	0.406	0.875	1.125	2.255	0.593	0.414	White	I-29	0.375	0.275
CLWS-3-12	#3 AWG	#4 FLEX	3-6 AWG	1/2	0.562	1.250	1.125	2.630	0.750	0.546	White	I-29	0.375	0.275
CLWS-2-10	#2 AWG	#2 SOL	2-6 AWG	10	0.219	0.562	1.125	1.973	0.599	0.258	Brown	I-33	0.421	0.312
CLWS-2-14	#2 AWG	#2 SOL	2-6 AWG	1/4	0.281	0.680	1.125	2.091	0.599	0.320	Brown	I-33	0.421	0.312
CLWS-2-516	#2 AWG	#2 SOL	2-6 AWG	5/16	0.343	0.875	1.125	2.286	0.599	0.352	Brown	I-33	0.421	0.312
CLWS-2-38	#2 AWG	#2 SOL	2-6 AWG	3/8	0.406	0.875	1.125	2.286	0.599	0.414	Brown	I-33	0.421	0.312
CLWS-2-12	#2 AWG	#2 SOL	2-6 AWG	1/2	0.562	1.250	1.125	2.661	0.750	0.546	Brown	I-33	0.421	0.312
CLWS-1-10	#1 AWG	#2 FLEX	1-6 AWG	10	0.219	0.562	1.375	2.267	0.673	0.258	Green	I-37	0.468	0.359
CLWS-1-14	#1 AWG	#2 FLEX	1-6 AWG	1/4	0.281	0.875	1.375	2.580	0.673	0.320	Green	I-37	0.468	0.359
CLWS-1-516	#1 AWG	#2 FLEX	1-6 AWG	5/16	0.343	0.875	1.375	2.580	0.673	0.352	Green	I-37	0.468	0.359
CLWS-1-38	#1 AWG	#2 FLEX	1-6 AWG	3/8	0.406	0.875	1.375	2.580	0.673	0.414	Green	I-37	0.468	0.359
CLWS-1-12	#1 AWG	#2 FLEX	1-6 AWG	1/2	0.562	1.250	1.375	2.955	0.750	0.546	Green	I-37	0.468	0.359
CLWS-1/0-10	1/0 AWG	#1 FLEX	1/0-6 AWG	10	0.219	0.562	1.500	2.418	0.738	0.258	Pink	I-42	0.515	0.390
CLWS-1/0-14	1/0 AWG	#1 FLEX	1/0-6 AWG	1/4	0.281	0.875	1.500	2.731	0.738	0.320	Pink	I-42	0.515	0.390
CLWS-1/0-516	1/0 AWG	#1 FLEX	1/0-6 AWG	5/16	0.343	0.875	1.500	2.731	0.738	0.352	Pink	I-42	0.515	0.390
CLWS-1/0-38	1/0 AWG	#1 FLEX	1/0-6 AWG	3/8	0.406	0.875	1.500	2.731	0.738	0.414	Pink	I-42	0.515	0.390
CLWS-1/0-12	1/0 AWG	#1 FLEX	1/0-6 AWG	1/2	0.562	1.250	1.500	3.106	0.738	0.546	Pink	I-42	0.515	0.390

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SureCrimp® Copper Compression Lugs
Long Barrel - 1 Hole, w/Sight Hole
Conductor Range: 400kcmil - 2/0

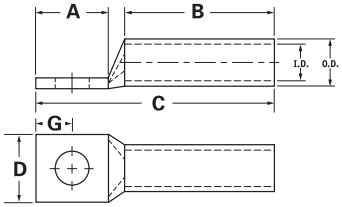
NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A

TYPE
CLWS

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90° C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Dimensions					Die Color Dode	Die Index	O.D.	I.D
						A	B	C	D	G				
CLWS-2/0-10	2/0 AWG	1/0 FLEX	2/0-4 AWG	10	0.219	0.562	1.500	2.458	0.811	0.258	Black	I-45	0.562	0.437
CLWS-2/0-14	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/4	0.281	0.875	1.500	2.771	0.811	0.320	Black	I-45	0.562	0.437
CLWS-2/0-516	2/0 AWG	1/0 FLEX	2/0-4 AWG	5/16	0.343	0.875	1.500	2.771	0.811	0.352	Black	I-45	0.562	0.437
CLWS-2/0-38	2/0 AWG	1/0 FLEX	2/0-4 AWG	3/8	0.406	0.875	1.500	2.771	0.811	0.414	Black	I-45	0.562	0.437
CLWS-2/0-12	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/2	0.562	1.250	1.500	3.146	0.811	0.546	Black	I-45	0.562	0.437
CLWS-3/0-10	3/0 AWG	2/0 FLEX	3/0-2 AWG	10	0.219	0.562	1.500	2.501	0.885	0.258	Orange	I-50	0.609	0.484
CLWS-3/0-14	3/0 AWG	2/0 FLEX	3/0-2 AWG	1/4	0.281	0.875	1.500	2.814	0.885	0.320	Orange	I-50	0.609	0.484
CLWS-3/0-516	3/0 AWG	2/0 FLEX	3/0-2 AWG	5/16	0.343	0.875	1.500	2.814	0.885	0.352	Orange	I-50	0.609	0.484
CLWS-3/0-38	3/0 AWG	2/0 FLEX	3/0-2 AWG	3/8	0.406	0.875	1.500	2.814	0.885	0.414	Orange	I-50	0.609	0.484
CLWS-3/0-12	3/0 AWG	2/0 FLEX	3/0-2 AWG	1/2	0.562	1.250	1.500	3.189	0.885	0.546	Orange	I-50	0.609	0.484
CLWS-4/0-14	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/4	0.281	0.875	1.500	2.866	0.999	0.320	Purple	I-54	0.687	0.546
CLWS-4/0-516	4/0 AWG	3/0 FLEX	4/0-1 AWG	5/16	0.343	0.875	1.500	2.866	0.999	0.352	Purple	I-54	0.687	0.546
CLWS-4/0-38	4/0 AWG	3/0 FLEX	4/0-1 AWG	3/8	0.406	0.875	1.500	2.866	0.999	0.414	Purple	I-54	0.687	0.546
CLWS-4/0-12	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/2	0.562	1.250	1.500	3.241	0.999	0.546	Purple	I-54	0.687	0.546
CLWS-250-516	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	5/16	0.343	0.875	1.688	3.094	1.088	0.352	Yellow	I-62	0.750	0.593
CLWS-250-38	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	3/8	0.406	0.875	1.688	3.094	1.088	0.414	Yellow	I-62	0.750	0.593
CLWS-250-12	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	1/2	0.562	1.250	1.688	3.469	1.088	0.546	Yellow	I-62	0.750	0.593
CLWS-300-516	300kcmil	250 G,H FLEX	300kcmil - 2/0 AWG	5/16	0.343	0.875	2.000	3.462	1.189	0.352	White	I-66	0.812	0.660
CLWS-300-38	300kcmil	250 G,H FLEX	300kcmil - 2/0 AWG	3/8	0.406	0.875	2.000	3.462	1.189	0.414	White	I-66	0.812	0.660
CLWS-300-12	300kcmil	250 G,H FLEX	300kcmil - 2/0 AWG	1/2	0.562	1.250	2.000	3.837	1.189	0.546	White	I-66	0.812	0.660
CLWS-350-38	350kcmil	250 I,K,M FLEX	350kcmil - 3/0 AWG 262.2 DLO	3/8	0.406	0.875	2.000	3.498	1.291	0.414	Red	I-71	0.890	0.703
CLWS-350-12	350kcmil	250 I,K,M FLEX	350kcmil - 3/0 AWG 262.2 DLO	1/2	0.562	1.250	2.000	3.873	1.291	0.546	Red	I-71	0.890	0.703
CLWS-350-38	350kcmil	250 I,K,M FLEX	350kcmil - 3/0 AWG 262.2 DLO	3/8	0.406	0.875	2.000	3.498	1.291	0.414	Red	I-71	0.890	0.703
CLWS-350-12	350kcmil	250 I,K,M FLEX	350kcmil - 3/0 AWG 262.2 DLO	1/2	0.562	1.250	2.000	3.873	1.291	0.546	Red	I-71	0.890	0.703
CLWS-350-58	350kcmil	250 I,K,M FLEX	350kcmil - 3/0 AWG 262.2 DLO	5/8	0.656	1.437	2.000	4.060	1.291	0.671	Red	I-71	0.890	0.703
CLWS-400-38	400kcmil	300 G,H,I,K,M FLEX	400kcmil - 4/0 AWG 313.1 DLO	3/8	0.406	0.875	2.125	3.667	1.365	0.414	Blue	I-76	0.937	0.750
CLWS-400-12	400kcmil	300 G,H,I,K,M FLEX	400kcmil - 4/0 AWG 313.1 DLO	1/2	0.562	1.250	2.125	4.042	1.365	0.546	Blue	I-76	0.937	0.750
CLWS-400-58	400kcmil	300 G,H,I,K,M FLEX	400kcmil - 4/0 AWG 313.1 DLO	5/8	0.656	1.437	2.125	4.229	1.365	0.671	Blue	I-76	0.937	0.750

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) * When installed with specified dieless tools See pages 80 to 90 for complete tooling information.
For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg. Tested to UL 486A/B, UL File E6207

SureCrimp® Copper Compression Lugs
Long Barrel - 1 Hole, w/Sight Hole
Conductor Range: 1000kcmil - 500kcmil

NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A TYPE **CLWS**

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility

Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Dimensions					Die Color Dode	Die Index	O.D.	I.D
						A	B	C	D	G				
CLWS-500-38	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	3/8	0.406	0.875	2.250	3.857	1.535	0.414	Brown	I-87	1.062	0.828
CLWS-500-12	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	1/2	0.562	1.250	2.250	4.232	1.535	0.546	Brown	I-87	1.062	0.828
CLWS-500-58	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	5/8	0.656	1.437	2.250	4.419	1.535	0.671	Brown	I-87	1.062	0.828
CLWS-600-38	600kcmil	400 G,H,I,K,M FLEX 444.4 DLO	600kcmil - 250kcmil	3/8	0.406	0.875	2.687	4.371	1.712	0.414	Green	I-94	1.187	0.920
CLWS-600-12	600kcmil	400 G,H,I,K,M FLEX 444.4 DLO	600kcmil - 250kcmil	1/2	0.562	1.250	2.687	4.746	1.712	0.546	Green	I-94	1.187	0.920
CLWS-600-58	600kcmil	400 G,H,I,K,M FLEX 444.4 DLO	600kcmil - 250kcmil	5/8	0.656	1.437	2.687	4.933	1.712	0.671	Green	I-94	1.187	0.920
CLWS-650-516	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	1/32	0.343	0.875	2.687	4.431	1.764	0.352	Pink	I-99	1.217	0.958
CLWS-650-38	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	3/8	0.406	0.875	2.687	4.431	1.764	0.414	Pink	I-99	1.217	0.958
CLWS-650-12	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	1/2	0.562	1.25	2.687	4.806	1.764	0.546	Pink	I-99	1.217	0.958
CLWS-650-58	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	5/8	0.656	1.437	2.687	4.993	1.764	0.671	Pink	I-99	1.217	0.958
CLWS-700-38	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	3/8	0.406	0.875	2.687	4.431	1.816	0.414	Pink	I-99	1.250	0.991
CLWS-700-12	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	1/2	0.562	1.250	2.687	4.806	1.816	0.546	Pink	I-99	1.250	0.991
CLWS-700-58	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	5/8	0.656	1.437	2.687	4.993	1.816	0.671	Pink	I-99	1.250	0.991
CLWS-750-38	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	3/8	0.406	0.875	2.875	4.652	1.901	0.414	Black	I-106	1.313	1.031
CLWS-750-12	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	1/2	0.562	1.250	2.875	5.027	1.901	0.546	Black	I-106	1.313	1.031
CLWS-750-58	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	5/8	0.656	1.437	2.875	5.214	1.901	0.671	Black	I-106	1.313	1.031
CLWS-1000-38	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	3/8	0.406	0.875	3.000	4.900	2.169	0.414	White	I-125	1.500	1.172
CLWS-1000-12	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	1/2	0.562	1.250	3.000	5.275	2.169	0.546	White	I-125	1.500	1.172
CLWS-1000-58	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	5/8	0.656	1.437	3.000	5.462	2.169	0.671	White	I-125	1.500	1.172

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) * When installed with specified dieless tools See pages 80 to 90 for complete tooling information.
For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg. Tested to UL 486A/B, UL File E6207

4730 Madison Road, Cincinnati OH 45227-1426 | PH: 513.533.6200 | FAX: 513.871.4084 | www.ilsco.com
In Canada: 615 B Orwell Street, Mississauga, Ontario, Canada L5A 2W4 | PH: 905.274.2341 | FAX: 905.279.2682

SureCrimp® Copper Compression Lugs
Long Barrel - 1 Hole, w/o Sight Hole
Conductor Range: 1/0 - #8

NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A

TYPE
CLNS

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
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Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
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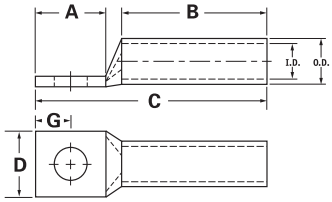

Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Dimensions					Die Color Dode	Die Index	O.D.	I.D
						A	B	C	D	G				
CLNS-8-10	#8 AWG	#8 FLEX, #8 SOL	-	10	0.219	0.562	0.812	1.569	0.374	0.258	Red	I-21	0.272	0.179
CLNS-8-14	#8 AWG	#8 FLEX, #8 SOL	-	1/4	0.281	0.680	0.812	1.687	0.486	0.320	Red	I-21	0.272	0.179
CLNS-8-516	#8 AWG	#8 FLEX, #8 SOL	-	5/16	0.343	0.875	0.812	1.882	0.532	0.352	Red	I-21	0.272	0.179
CLNS-8-38	#8 AWG	#8 FLEX, #8 SOL	-	3/8	0.406	0.875	0.812	1.882	0.593	0.414	Red	I-21	0.272	0.179
CLNS-6-10	#6 AWG	#6 FLEX, #6 SOL	-	10	0.219	0.562	1.125	1.882	0.440	0.258	Blue	I-24	0.320	0.225
CLNS-6-14	#6 AWG	#6 FLEX, #6 SOL	-	1/4	0.281	0.680	1.125	2.000	0.440	0.320	Blue	I-24	0.320	0.225
CLNS-6-516	#6 AWG	#6 FLEX, #6 SOL	-	5/16	0.343	0.875	1.125	2.195	0.530	0.352	Blue	I-24	0.320	0.225
CLNS-6-38	#6 AWG	#6 FLEX, #6 SOL	-	3/8	0.406	0.875	1.125	2.195	0.598	0.414	Blue	I-24	0.320	0.225
CLNS-6-12	#6 AWG	#6 FLEX, #6 SOL	-	1/2	0.562	1.250	1.125	2.570	0.755	0.546	Blue	I-24	0.320	0.225
CLNS-4-10	#4 AWG	#4 SOL	4-6 AWG	10	0.219	0.562	1.125	1.921	0.486	0.258	Gray	I-29	0.343	0.250
CLNS-4-14	#4 AWG	#4 SOL	4-6 AWG	1/4	0.281	0.680	1.125	2.039	0.486	0.320	Gray	I-29	0.343	0.250
CLNS-4-516	#4 AWG	#4 SOL	4-6 AWG	5/16	0.343	0.875	1.125	2.234	0.486	0.352	Gray	I-29	0.343	0.250
CLNS-4-38	#4 AWG	#4 SOL	4-6 AWG	3/8	0.406	0.875	1.125	2.234	0.593	0.414	Gray	I-29	0.343	0.250
CLNS-4-12	#4 AWG	#4 SOL	4-6 AWG	1/2	0.562	1.250	1.125	2.609	0.750	0.546	Gray	I-29	0.343	0.250
CLNS-3-10	#3 AWG	#4 FLEX	3-6 AWG	10	0.219	0.562	1.125	1.942	0.532	0.258	White	I-29	0.375	0.275
CLNS-3-14	#3 AWG	#4 FLEX	3-6 AWG	1/4	0.281	0.680	1.125	2.060	0.532	0.320	White	I-29	0.375	0.275
CLNS-3-516	#3 AWG	#4 FLEX	3-6 AWG	5/16	0.343	0.875	1.125	2.255	0.532	0.352	White	I-29	0.375	0.275
CLNS-3-38	#3 AWG	#4 FLEX	3-6 AWG	3/8	0.406	0.875	1.125	2.255	0.593	0.414	White	I-29	0.375	0.275
CLNS-3-12	#3 AWG	#4 FLEX	3-6 AWG	1/2	0.562	1.250	1.125	2.630	0.750	0.546	White	I-29	0.375	0.275
CLNS-2-10	#2 AWG	#2 SOL	2-6 AWG	10	0.219	0.562	1.125	1.973	0.599	0.258	Brown	I-33	0.421	0.312
CLNS-2-14	#2 AWG	#2 SOL	2-6 AWG	1/4	0.281	0.680	1.125	2.091	0.599	0.320	Brown	I-33	0.421	0.312
CLNS-2-516	#2 AWG	#2 SOL	2-6 AWG	5/16	0.343	0.875	1.125	2.286	0.599	0.352	Brown	I-33	0.421	0.312
CLNS-2-38	#2 AWG	#2 SOL	2-6 AWG	3/8	0.406	0.875	1.125	2.286	0.599	0.414	Brown	I-33	0.421	0.312
CLNS-2-12	#2 AWG	#2 SOL	2-6 AWG	1/2	0.562	1.250	1.125	2.661	0.750	0.546	Brown	I-33	0.421	0.312
CLNS-1-10	#1 AWG	#2 FLEX	1-6 AWG	10	0.219	0.562	1.375	2.267	0.673	0.258	Green	I-37	0.468	0.359
CLNS-1-14	#1 AWG	#2 FLEX	1-6 AWG	1/4	0.281	0.875	1.375	2.580	0.673	0.320	Green	I-37	0.468	0.359
CLNS-1-516	#1 AWG	#2 FLEX	1-6 AWG	5/16	0.343	0.875	1.375	2.580	0.673	0.352	Green	I-37	0.468	0.359
CLNS-1-38	#1 AWG	#2 FLEX	1-6 AWG	3/8	0.406	0.875	1.375	2.580	0.673	0.414	Green	I-37	0.468	0.359
CLNS-1-12	#1 AWG	#2 FLEX	1-6 AWG	1/2	0.562	1.250	1.375	2.955	0.750	0.546	Green	I-37	0.468	0.359
CLNS-1/0-10	1/0 AWG	#1 FLEX	1/0-6 AWG	10	0.219	0.562	1.500	2.418	0.738	0.258	Pink	I-42	0.515	0.390
CLNS-1/0-14	1/0 AWG	#1 FLEX	1/0-6 AWG	1/4	0.281	0.875	1.500	2.731	0.738	0.320	Pink	I-42	0.515	0.390
CLNS-1/0-516	1/0 AWG	#1 FLEX	1/0-6 AWG	5/16	0.343	0.875	1.500	2.731	0.738	0.352	Pink	I-42	0.515	0.390
CLNS-1/0-38	1/0 AWG	#1 FLEX	1/0-6 AWG	3/8	0.406	0.875	1.500	2.731	0.738	0.414	Pink	I-42	0.515	0.390
CLNS-1/0-12	1/0 AWG	#1 FLEX	1/0-6 AWG	1/2	0.562	1.250	1.500	3.106	0.738	0.546	Pink	I-42	0.515	0.390

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SureCrimp® Copper Compression Lugs
Long Barrel - 1 Hole, w/o Sight Hole
Conductor Range: 400kcmil - 1/0

NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | CSA LR-29601

A TYPE **CLNS**

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
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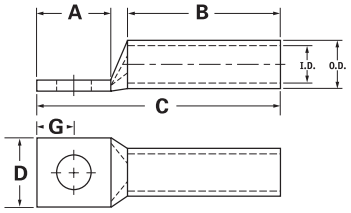

Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Dimensions					Die Color Dode	Die Index	O.D.	I.D
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CLNS-2/0-14	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/4	0.281	0.875	1.500	2.771	0.811	0.320	Black	I-45	0.562	0.437
CLNS-2/0-516	2/0 AWG	1/0 FLEX	2/0-4 AWG	5/16	0.343	0.875	1.500	2.771	0.811	0.352	Black	I-45	0.562	0.437
CLNS-2/0-38	2/0 AWG	1/0 FLEX	2/0-4 AWG	3/8	0.406	0.875	1.500	2.771	0.811	0.414	Black	I-45	0.562	0.437
CLNS-2/0-12	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/2	0.562	1.250	1.500	3.146	0.811	0.546	Black	I-45	0.562	0.437
CLNS-3/0-10	3/0 AWG	2/0 FLEX	3/0-2 AWG	10	0.219	0.562	1.500	2.501	0.885	0.258	Orange	I-50	0.609	0.484
CLNS-3/0-14	3/0 AWG	2/0 FLEX	3/0-2 AWG	1/4	0.281	0.875	1.500	2.814	0.885	0.320	Orange	I-50	0.609	0.484
CLNS-3/0-516	3/0 AWG	2/0 FLEX	3/0-2 AWG	5/16	0.343	0.875	1.500	2.814	0.885	0.352	Orange	I-50	0.609	0.484
CLNS-3/0-38	3/0 AWG	2/0 FLEX	3/0-2 AWG	3/8	0.406	0.875	1.500	2.814	0.885	0.414	Orange	I-50	0.609	0.484
CLNS-3/0-12	3/0 AWG	2/0 FLEX	3/0-2 AWG	1/2	0.562	1.250	1.500	3.189	0.885	0.546	Orange	I-50	0.609	0.484
CLNS-4/0-14	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/4	0.281	0.875	1.500	2.866	0.999	0.320	Purple	I-54	0.687	0.546
CLNS-4/0-516	4/0 AWG	3/0 FLEX	4/0-1 AWG	5/16	0.343	0.875	1.500	2.866	0.999	0.352	Purple	I-54	0.687	0.546
CLNS-4/0-38	4/0 AWG	3/0 FLEX	4/0-1 AWG	3/8	0.406	0.875	1.500	2.866	0.999	0.414	Purple	I-54	0.687	0.546
CLNS-4/0-12	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/2	0.562	1.250	1.500	3.241	0.999	0.546	Purple	I-54	0.687	0.546
CLNS-250-516	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	5/16	0.343	0.875	1.688	3.094	1.088	0.352	Yellow	I-62	0.750	0.593
CLNS-250-38	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	3/8	0.406	0.875	1.688	3.094	1.088	0.414	Yellow	I-62	0.750	0.593
CLNS-250-12	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	1/2	0.562	1.250	1.688	3.469	1.088	0.546	Yellow	I-62	0.750	0.593
CLNS-300-516	300kcmil	250 G,H FLEX	300kcmil - 2/0 AWG	5/16	0.343	0.875	2.000	3.462	1.189	0.352	White	I-66	0.812	0.660
CLNS-300-38	300kcmil	250 G,H FLEX	300kcmil - 2/0 AWG	3/8	0.406	0.875	2.000	3.462	1.189	0.414	White	I-66	0.812	0.660
CLNS-300-12	300kcmil	250 G,H FLEX	300kcmil - 2/0 AWG	1/2	0.562	1.250	2.000	3.837	1.189	0.546	White	I-66	0.812	0.660
CLNS-350-38	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	3/8	0.406	0.875	2.000	3.498	1.291	0.414	Red	I-71	0.890	0.703
CLNS-350-12	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	1/2	0.562	1.250	2.000	3.873	1.291	0.546	Red	I-71	0.890	0.703
CLNS-350-58	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	5/8	0.656	1.437	2.000	4.060	1.291	0.671	Red	I-71	0.890	0.703
CLNS-400-38	400kcmil	300 G,H,I,K,M FLEX 313.1 DLO	400kcmil - 4/0 AWG	3/8	0.406	0.875	2.125	3.667	1.365	0.414	Blue	I-76	0.937	0.750
CLNS-400-12	400kcmil	300 G,H,I,K,M FLEX 313.1 DLO	400kcmil - 4/0 AWG	1/2	0.562	1.250	2.125	4.042	1.365	0.546	Blue	I-76	0.937	0.750
CLNS-400-58	400kcmil	300 G,H,I,K,M FLEX 313.1 DLO	400kcmil - 4/0 AWG	5/8	0.656	1.437	2.125	4.229	1.365	0.671	Blue	I-76	0.937	0.750

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SureCrimp® Copper Compression Lugs
Long Barrel - 1 Hole, w/o Sight Hole
Conductor Range: 1000kcmil - 500kcmil

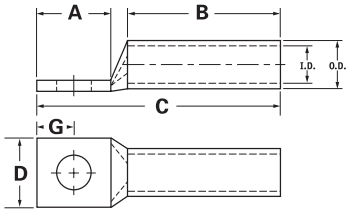
NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A

TYPE
CLNS

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90° C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Dimensions					Die Color Dode	Die Index	O.D.	I.D
						A	B	C	D	G				
CLNS-500-38	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	3/8	0.406	0.875	2.250	3.857	1.535	0.414	Brown	I-87	1.062	0.828
CLNS-500-12	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	1/2	0.562	1.250	2.250	4.232	1.535	0.546	Brown	I-87	1.062	0.828
CLNS-500-58	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	5/8	0.656	1.437	2.250	4.419	1.535	0.671	Brown	I-87	1.062	0.828
CLNS-600-38	600kcmil	400 G,H,I,K,M FLEX 444.4 DLO	600kcmil - 250kcmil	3/8	0.406	0.875	2.687	4.371	1.712	0.414	Green	I-94	1.187	0.920
CLNS-600-12	600kcmil	400 G,H,I,K,M FLEX 444.4 DLO	600kcmil - 250kcmil	1/2	0.562	1.250	2.687	4.746	1.712	0.546	Green	I-94	1.187	0.920
CLNS-600-58	600kcmil	400 G,H,I,K,M FLEX 444.4 DLO	600kcmil - 250kcmil	5/8	0.656	1.437	2.687	4.933	1.712	0.671	Green	I-94	1.187	0.920
CLNS-650-516	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	1/32	0.343	0.875	2.687	4.431	1.764	0.352	Pink	I-99	1.217	0.958
CLNS-650-38	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	3/8	0.406	0.875	2.687	4.431	1.764	0.414	Pink	I-99	1.217	0.958
CLNS-650-12	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	1/2	0.562	1.250	2.687	4.806	1.764	0.546	Pink	I-99	1.217	0.958
CLNS-650-58	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	5/8	0.656	1.437	2.687	4.993	1.764	0.671	Pink	I-99	1.217	0.958
CLNS-700-38	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	3/8	0.406	0.875	2.687	4.431	1.816	0.414	Pink	I-99	1.250	0.991
CLNS-700-12	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	1/2	0.562	1.250	2.687	4.806	1.816	0.546	Pink	I-99	1.250	0.991
CLNS-700-58	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	5/8	0.656	1.437	2.687	4.993	1.816	0.671	Pink	I-99	1.250	0.991
CLNS-1000-38	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	3/8	0.406	0.875	3.000	4.900	2.169	0.414	White	I-125	1.500	1.172
CLNS-1000-12	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	1/2	0.562	1.250	3.000	5.275	2.169	0.546	White	I-125	1.500	1.172
CLNS-1000-58	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	5/8	0.656	1.437	3.000	5.462	2.169	0.671	White	I-125	1.500	1.172

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) * When installed with specified dieless tools See pages 80 to 90 for complete tooling information.
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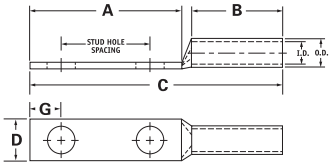
SureCrimp® Copper Compression Lugs
Long Barrel - 2 Hole, w/Sight Hole
Conductor Range: #4 - #8

NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A TYPE **CLWD**

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CLWD-8-10-58	#8 AWG	#8 FLEX, #8 SOL	-	10	0.219	0.625	1.250	0.812	2.257	0.374	0.258	Red	I-21	0.272	0.179
CLWD-8-10-34	#8 AWG	#8 FLEX, #8 SOL	-	10	0.219	0.750	1.437	0.812	2.444	0.374	0.258	Red	I-21	0.272	0.179
CLWD-8-14-58	#8 AWG	#8 FLEX, #8 SOL	-	1/4	0.281	0.625	1.437	0.812	2.444	0.486	0.320	Red	I-21	0.272	0.179
CLWD-8-14-34	#8 AWG	#8 FLEX, #8 SOL	-	1/4	0.281	0.750	1.437	0.812	2.444	0.486	0.320	Red	I-21	0.272	0.179
CLWD-8-14-1	#8 AWG	#8 FLEX, #8 SOL	-	1/4	0.281	1.000	1.687	0.812	2.694	0.486	0.320	Red	I-21	0.272	0.179
CLWD-8-38-1	#8 AWG	#8 FLEX, #8 SOL	-	3/8	0.406	1.000	1.937	0.812	2.944	0.593	0.414	Red	I-21	0.272	0.179
CLWD-6-10-12	#6 AWG	#6 FLEX, #6 SOL	-	10	0.219	0.500	1.250	1.125	2.570	0.440	0.258	Blue	I-24	0.320	0.225
CLWD-6-10-58	#6 AWG	#6 FLEX, #6 SOL	-	10	0.219	0.625	1.250	1.125	2.570	0.440	0.258	Blue	I-24	0.320	0.225
CLWD-6-10-1116	#6 AWG	#6 FLEX, #6 SOL	-	10	0.219	0.687	1.250	1.125	2.570	0.440	0.258	Blue	I-24	0.320	0.225
CLWD-6-10-34	#6 AWG	#6 FLEX, #6 SOL	-	10	0.219	0.750	1.437	1.125	2.757	0.440	0.258	Blue	I-24	0.320	0.225
CLWD-6-14-12	#6 AWG	#6 FLEX, #6 SOL	-	1/4	0.281	0.500	1.250	1.125	2.570	0.440	0.320	Blue	I-24	0.320	0.225
CLWD-6-14-58	#6 AWG	#6 FLEX, #6 SOL	-	1/4	0.281	0.625	1.437	1.125	2.757	0.440	0.320	Blue	I-24	0.320	0.225
CLWD-6-14-34	#6 AWG	#6 FLEX, #6 SOL	-	1/4	0.281	0.750	1.437	1.125	2.757	0.440	0.320	Blue	I-24	0.320	0.225
CLWD-6-14-1	#6 AWG	#6 FLEX, #6 SOL	-	1/4	0.281	1.000	1.687	1.125	3.007	0.440	0.320	Blue	I-24	0.320	0.225
CLWD-6-516-34	#6 AWG	#6 FLEX, #6 SOL	-	5/16	0.343	0.750	1.687	1.125	3.007	0.530	0.352	Blue	I-24	0.320	0.225
CLWD-6-516-1	#6 AWG	#6 FLEX, #6 SOL	-	5/16	0.343	1.000	1.937	1.125	3.257	0.530	0.352	Blue	I-24	0.320	0.225
CLWD-6-38-34	#6 AWG	#6 FLEX, #6 SOL	-	3/8	0.406	0.750	1.687	1.125	3.007	0.598	0.414	Blue	I-24	0.320	0.225
CLWD-6-38-78	#6 AWG	#6 FLEX, #6 SOL	-	3/8	0.406	0.875	1.937	1.125	3.257	0.598	0.414	Blue	I-24	0.320	0.225
CLWD-6-38-1	#6 AWG	#6 FLEX, #6 SOL	-	3/8	0.406	1.000	1.937	1.125	3.257	0.598	0.414	Blue	I-24	0.320	0.225
CLWD-6-12-134	#6 AWG	#6 FLEX, #6 SOL	-	1/2	0.562	1.750	3.000	1.125	4.320	0.755	0.546	Blue	I-24	0.320	0.225
CLWD-4-10-58	#4 AWG	#4 SOL	4-6 AWG	10	0.219	0.625	1.250	1.125	2.609	0.486	0.258	Gray	I-29	0.343	0.250
CLWD-4-10-34	#4 AWG	#4 SOL	4-6 AWG	10	0.219	0.750	1.437	1.125	2.796	0.486	0.258	Gray	I-29	0.343	0.250
CLWD-4-10-1	#4 AWG	#4 SOL	4-6 AWG	10	0.219	1.000	1.687	1.125	3.046	0.486	0.258	Gray	I-29	0.343	0.250
CLWD-4-14-58	#4 AWG	#4 SOL	4-6 AWG	1/4	0.281	0.625	1.437	1.125	2.796	0.486	0.320	Gray	I-29	0.343	0.250
CLWD-4-14-34	#4 AWG	#4 SOL	4-6 AWG	1/4	0.281	0.750	1.437	1.125	2.796	0.486	0.320	Gray	I-29	0.343	0.250
CLWD-4-14-1	#4 AWG	#4 SOL	4-6 AWG	1/4	0.281	1.000	1.687	1.125	3.046	0.486	0.320	Gray	I-29	0.343	0.250
CLWD-4-516-58	#4 AWG	#4 SOL	4-6 AWG	5/16	0.343	0.625	1.437	1.125	2.796	0.486	0.352	Gray	I-29	0.343	0.250
CLWD-4-516-34	#4 AWG	#4 SOL	4-6 AWG	5/16	0.343	0.750	1.687	1.125	3.046	0.486	0.352	Gray	I-29	0.343	0.250
CLWD-4-516-1	#4 AWG	#4 SOL	4-6 AWG	5/16	0.343	1.000	1.937	1.125	3.296	0.486	0.352	Gray	I-29	0.343	0.250
CLWD-4-38-34	#4 AWG	#4 SOL	4-6 AWG	3/8	0.406	0.750	1.687	1.125	3.046	0.593	0.414	Gray	I-29	0.343	0.250
CLWD-4-38-1	#4 AWG	#4 SOL	4-6 AWG	3/8	0.406	1.000	1.937	1.125	3.296	0.593	0.414	Gray	I-29	0.343	0.250
CLWD-4-12-134	#4 AWG	#4 SOL	4-6 AWG	1/2	0.562	1.750	3.000	1.125	4.359	0.750	0.546	Gray	I-29	0.343	0.250

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SureCrimp® Copper Compression Lugs
Long Barrel - 2 Hole, w/Sight Hole
Conductor Range: #1 - #3

NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A

TYPE
CLWD

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
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- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
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Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
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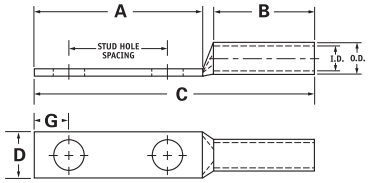


Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CLWD-3-14-58	#3 AWG	#4 FLEX	3-6 AWG	1/4	0.281	0.625	1.437	1.125	2.817	0.532	0.320	White	I-29	0.375	0.275
CLWD-3-14-34	#3 AWG	#4 FLEX	3-6 AWG	1/4	0.281	0.750	1.437	1.125	2.817	0.532	0.320	White	I-29	0.375	0.275
CLWD-3-516-58	#3 AWG	#4 FLEX	3-6 AWG	5/16	0.343	0.625	1.437	1.125	2.817	0.532	0.352	White	I-29	0.375	0.275
CLWD-3-516-1	#3 AWG	#4 FLEX	3-6 AWG	5/16	0.343	1.000	1.937	1.125	3.317	0.532	0.352	White	I-29	0.375	0.275
CLWD-3-38-34	#3 AWG	#4 FLEX	3-6 AWG	3/8	0.406	0.750	1.687	1.125	3.067	0.593	0.414	White	I-29	0.375	0.275
CLWD-3-38-1	#3 AWG	#4 FLEX	3-6 AWG	3/8	0.406	1.000	1.937	1.125	3.317	0.593	0.414	White	I-29	0.375	0.275
CLWD-3-12-134	#3 AWG	#4 FLEX	3-6 AWG	1/2	0.562	1.750	3.000	1.125	4.380	0.750	0.546	White	I-29	0.375	0.275
CLWD-2-10-34	#2 AWG	#2 SOL	2-6 AWG	10	0.219	0.750	1.437	1.125	2.848	0.599	0.258	Brown	I-33	0.421	0.312
CLWD-2-14-58	#2 AWG	#2 SOL	2-6 AWG	1/4	0.281	0.625	1.437	1.125	2.848	0.599	0.320	Brown	I-33	0.421	0.312
CLWD-2-14-34	#2 AWG	#2 SOL	2-6 AWG	1/4	0.281	0.750	1.437	1.125	2.848	0.599	0.320	Brown	I-33	0.421	0.312
CLWD-2-14-1	#2 AWG	#2 SOL	2-6 AWG	1/4	0.281	1.000	1.687	1.125	3.098	0.599	0.320	Brown	I-33	0.421	0.312
CLWD-2-516-58	#2 AWG	#2 SOL	2-6 AWG	5/16	0.343	0.625	1.687	1.125	3.098	0.599	0.352	Brown	I-33	0.421	0.312
CLWD-2-516-34	#2 AWG	#2 SOL	2-6 AWG	5/16	0.343	0.750	1.687	1.125	3.098	0.599	0.352	Brown	I-33	0.421	0.312
CLWD-2-516-1	#2 AWG	#2 SOL	2-6 AWG	5/16	0.343	1.000	1.937	1.125	3.348	0.599	0.352	Brown	I-33	0.421	0.312
CLWD-2-38-58	#2 AWG	#2 SOL	2-6 AWG	3/8	0.406	0.625	1.687	1.125	3.098	0.599	0.414	Brown	I-33	0.421	0.312
CLWD-2-38-34	#2 AWG	#2 SOL	2-6 AWG	3/8	0.406	0.750	1.687	1.125	3.098	0.599	0.414	Brown	I-33	0.421	0.312
CLWD-2-38-78	#2 AWG	#2 SOL	2-6 AWG	3/8	0.406	0.875	1.937	1.125	3.348	0.599	0.414	Brown	I-33	0.421	0.312
CLWD-2-38-1	#2 AWG	#2 SOL	2-6 AWG	3/8	0.406	1.000	1.937	1.125	3.348	0.599	0.414	Brown	I-33	0.421	0.312
CLWD-2-38-134	#2 AWG	#2 SOL	2-6 AWG	3/8	0.406	1.750	2.625	1.125	4.036	0.599	0.414	Brown	I-33	0.421	0.312
CLWD-2-12-134	#2 AWG	#2 SOL	2-6 AWG	1/2	0.562	1.750	3.000	1.125	4.411	0.750	0.546	Brown	I-33	0.421	0.312
CLWD-1-14-58	#1 AWG	#2 FLEX	1-6 AWG	1/4	0.281	0.625	1.437	1.375	3.142	0.673	0.320	Green	I-37	0.468	0.359
CLWD-1-14-34	#1 AWG	#2 FLEX	1-6 AWG	1/4	0.281	0.750	1.437	1.375	3.142	0.673	0.320	Green	I-37	0.468	0.359
CLWD-1-14-1	#1 AWG	#2 FLEX	1-6 AWG	1/4	0.281	1.000	1.687	1.375	3.392	0.673	0.320	Green	I-37	0.468	0.359
CLWD-1-516-78	#1 AWG	#2 FLEX	1-6 AWG	5/16	0.343	0.875	1.687	1.375	3.392	0.673	0.352	Green	I-37	0.468	0.359
CLWD-1-516-1	#1 AWG	#2 FLEX	1-6 AWG	5/16	0.343	1.000	1.937	1.375	3.642	0.673	0.352	Green	I-37	0.468	0.359
CLWD-1-38-1	#1 AWG	#2 FLEX	1-6 AWG	3/8	0.406	1.000	1.937	1.375	3.642	0.673	0.414	Green	I-37	0.468	0.359
CLWD-1-12-134	#1 AWG	#2 FLEX	1-6 AWG	1/2	0.562	1.750	3.000	1.375	4.705	0.750	0.546	Green	I-37	0.468	0.359

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) * When installed with specified dieless tools See pages 80 to 90 for complete tooling information.
For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg. Tested to UL 486A/B, UL File E6207

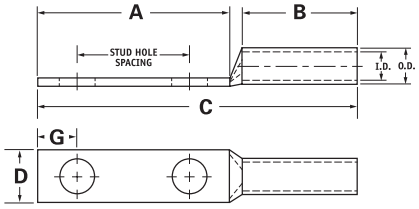
SureCrimp® Copper Compression Lugs
Long Barrel - 2 Hole, w/Sight Hole
Conductor Range: 3/0 - 1/0

NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A TYPE **CLWD**

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CLWD-1/0-14-58	1/0 AWG	#1 FLEX	1/0-6 AWG	1/4	0.281	0.625	1.437	1.500	3.293	0.738	0.320	Pink	I-42	0.515	0.390
CLWD-1/0-14-34	1/0 AWG	#1 FLEX	1/0-6 AWG	1/4	0.281	0.750	1.437	1.500	3.293	0.738	0.320	Pink	I-42	0.515	0.390
CLWD-1/0-14-1	1/0 AWG	#1 FLEX	1/0-6 AWG	1/4	0.281	1.000	1.687	1.500	3.543	0.738	0.320	Pink	I-42	0.515	0.390
CLWD-1/0-516-34	1/0 AWG	#1 FLEX	1/0-6 AWG	5/16	0.343	0.750	1.687	1.500	3.543	0.738	0.352	Pink	I-42	0.515	0.390
CLWD-1/0-516-78	1/0 AWG	#1 FLEX	1/0-6 AWG	5/16	0.343	0.875	1.687	1.500	3.543	0.738	0.352	Pink	I-42	0.515	0.390
CLWD-1/0-516-1	1/0 AWG	#1 FLEX	1/0-6 AWG	5/16	0.343	1.000	1.937	1.500	3.793	0.738	0.352	Pink	I-42	0.515	0.390
CLWD-1/0-38-1	1/0 AWG	#1 FLEX	1/0-6 AWG	3/8	0.406	1.000	1.937	1.500	3.793	0.738	0.414	Pink	I-42	0.515	0.390
CLWD-1/0-38-134	1/0 AWG	#1 FLEX	1/0-6 AWG	3/8	0.406	1.750	2.625	1.500	4.481	0.738	0.414	Pink	I-42	0.515	0.390
CLWD-1/0-12-1	1/0 AWG	#1 FLEX	1/0-6 AWG	1/2	0.562	1.000	2.125	1.500	3.981	0.738	0.546	Pink	I-42	0.515	0.390
CLWD-1/0-12-134	1/0 AWG	#1 FLEX	1/0-6 AWG	1/2	0.562	1.750	3.000	1.500	4.856	0.738	0.546	Pink	I-42	0.515	0.390
CLWD-2/0-14-58	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/4	0.281	0.625	1.437	1.500	3.333	0.811	0.320	Black	I-45	0.562	0.437
CLWD-2/0-14-34	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/4	0.281	0.750	1.437	1.500	3.333	0.811	0.320	Black	I-45	0.562	0.437
CLWD-2/0-14-1	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/4	0.281	1.000	1.687	1.500	3.583	0.811	0.320	Black	I-45	0.562	0.437
CLWD-2/0-516-1	2/0 AWG	1/0 FLEX	2/0-4 AWG	5/16	0.343	1.000	1.937	1.500	3.833	0.811	0.352	Black	I-45	0.562	0.437
CLWD-2/0-38-1	2/0 AWG	1/0 FLEX	2/0-4 AWG	3/8	0.406	1.000	1.937	1.500	3.833	0.811	0.414	Black	I-45	0.562	0.437
CLWD-2/0-38-134	2/0 AWG	1/0 FLEX	2/0-4 AWG	3/8	0.406	1.750	2.625	1.500	4.521	0.811	0.414	Black	I-45	0.562	0.437
CLWD-2/0-12-1	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/2	0.562	1.000	2.125	1.500	4.021	0.811	0.546	Black	I-45	0.562	0.437
CLWD-2/0-12-134	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/2	0.562	1.750	3.000	1.500	4.896	0.811	0.546	Black	I-45	0.562	0.437
CLWD-3/0-14-58	3/0 AWG	2/0 FLEX	3/0-2 AWG	1/4	0.281	0.625	1.437	1.500	3.376	0.885	0.320	Orange	I-50	0.609	0.484
CLWD-3/0-14-34	3/0 AWG	2/0 FLEX	3/0-2 AWG	1/4	0.281	0.750	1.437	1.500	3.376	0.885	0.320	Orange	I-50	0.609	0.484
CLWD-3/0-516-1	3/0 AWG	2/0 FLEX	3/0-2 AWG	5/16	0.343	1.000	1.937	1.500	3.876	0.885	0.352	Orange	I-50	0.609	0.484
CLWD-3/0-38-1	3/0 AWG	2/0 FLEX	3/0-2 AWG	3/8	0.406	1.000	1.937	1.500	3.876	0.885	0.414	Orange	I-50	0.609	0.484
CLWD-3/0-12-134	3/0 AWG	2/0 FLEX	3/0-2 AWG	1/2	0.562	1.750	3.000	1.500	4.939	0.885	0.546	Orange	I-50	0.609	0.484

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) * When installed with specified dieless tools See pages 80 to 90 for complete tooling information.
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In Canada: 615 B Orwell Street, Mississauga, Ontario, Canada L5A 2W4 | PH: 905.274.2341 | FAX: 905.279.2682

SureCrimp® Copper Compression Lugs
Long Barrel - 2 Hole, w/Sight Hole
Conductor Range: 300kcmil - 4/0

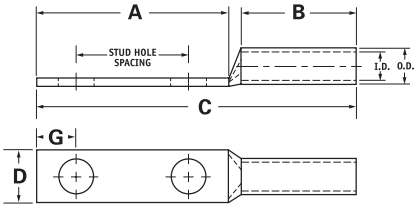
NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A

TYPE
CLWD

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90° C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CLWD-4/0-14-58	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/4	0.281	0.625	1.437	1.500	3.428	0.999	0.320	Purple	I-54	0.687	0.546
CLWD-4/0-14-34	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/4	0.281	0.750	1.437	1.500	3.428	0.999	0.320	Purple	I-54	0.687	0.546
CLWD-4/0-14-1	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/4	0.281	1.000	1.687	1.500	3.678	0.999	0.320	Purple	I-54	0.687	0.546
CLWD-4/0-516-34	4/0 AWG	3/0 FLEX	4/0-1 AWG	5/16	0.343	0.750	1.687	1.500	3.678	0.999	0.352	Purple	I-54	0.687	0.546
CLWD-4/0-516-1	4/0 AWG	3/0 FLEX	4/0-1 AWG	5/16	0.343	1.000	1.937	1.500	3.928	0.999	0.352	Purple	I-54	0.687	0.546
CLWD-4/0-516-134	4/0 AWG	3/0 FLEX	4/0-1 AWG	5/16	0.343	1.750	2.500	1.500	4.491	0.999	0.352	Purple	I-54	0.687	0.546
CLWD-4/0-38-1	4/0 AWG	3/0 FLEX	4/0-1 AWG	3/8	0.406	1.000	1.937	1.500	3.928	0.999	0.414	Purple	I-54	0.687	0.546
CLWD-4/0-38-134	4/0 AWG	3/0 FLEX	4/0-1 AWG	3/8	0.406	1.750	2.625	1.500	4.616	0.999	0.414	Purple	I-54	0.687	0.546
CLWD-4/0-12-1	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/2	0.562	1.000	2.125	1.500	4.116	0.999	0.546	Purple	I-54	0.687	0.546
CLWD-4/0-12-114	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/2	0.562	1.250	2.500	1.500	4.491	0.999	0.546	Purple	I-54	0.687	0.546
CLWD-4/0-12-134	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/2	0.562	1.750	3.000	1.500	4.991	0.999	0.546	Purple	I-54	0.687	0.546
CLWD-250-14-34	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	1/4	0.281	0.750	1.437	1.688	3.656	1.088	0.320	Yellow	I-62	0.750	0.593
CLWD-250-38-1	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	3/8	0.406	1.000	1.937	1.688	4.156	1.088	0.414	Yellow	I-62	0.750	0.593
CLWD-250-38-134	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	3/8	0.406	1.750	2.625	1.688	4.844	1.088	0.414	Yellow	I-62	0.750	0.593
CLWD-250-12-114	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	1/2	0.562	1.250	2.500	1.688	4.719	1.088	0.546	Yellow	I-62	0.750	0.593
CLWD-250-12-134	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	1/2	0.562	1.750	3.000	1.688	5.219	1.088	0.546	Yellow	I-62	0.750	0.593
CLWD-300-38-1	300kcmil	250 G,H FLEX	300kcmil - 2/0 AWG	3/8	0.406	1.000	1.937	2.000	4.524	1.189	0.414	White	I-66	0.812	0.660
CLWD-300-12-134	300kcmil	250 G,H FLEX	300kcmil - 2/0 AWG	1/2	0.562	1.750	3.000	2.000	5.587	1.189	0.546	White	I-66	0.812	0.660

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) * When installed with specified dieless tools See pages 80 to 90 for complete tooling information.
For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg. Tested to UL 486A/B, UL File E6207

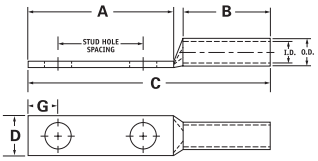
SureCrimp® Copper Compression Lugs
Long Barrel - 2 Hole, w/Sight Hole
Conductor Range: 650kcmil - 350kcmil

NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A TYPE **CLWD**

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CLWD-350-14-34	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	1/4	0.281	0.750	1.437	2.000	4.060	1.291	0.320	Red	I-71	0.890	0.703
CLWD-350-516-134	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	5/16	0.343	1.750	2.500	2.000	5.123	1.291	0.352	Red	I-71	0.890	0.703
CLWD-350-38-1	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	3/8	0.406	1.000	1.937	2.000	4.560	1.291	0.414	Red	I-71	0.890	0.703
CLWD-350-12-114	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	1/2	0.562	1.250	2.500	2.000	5.123	1.291	0.546	Red	I-71	0.890	0.703
CLWD-350-12-134	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	1/2	0.562	1.750	3.000	2.000	5.623	1.291	0.546	Red	I-71	0.890	0.703
CLWD-400-38-1	400kcmil	300 G,H,I,K,M FLEX 313.1 DLO	400kcmil - 4/0 AWG	3/8	0.406	1.000	1.937	2.125	4.729	1.365	0.414	Blue	I-76	0.937	0.750
CLWD-400-38-116	400kcmil	300 G,H,I,K,M FLEX 313.1 DLO	400kcmil - 4/0 AWG	3/8	0.406	1.062	1.937	2.125	4.729	1.365	0.414	Blue	I-76	0.937	0.750
CLWD-400-12-134	400kcmil	300 G,H,I,K,M FLEX 313.1 DLO	400kcmil - 4/0 AWG	1/2	0.562	1.750	3.000	2.125	5.792	1.365	0.546	Blue	I-76	0.937	0.750
CLWD-500-14-34	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	1/4	0.281	0.750	1.437	2.250	4.419	1.535	0.320	Brown	I-87	1.062	0.828
CLWD-500-12-114	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	1/2	0.562	1.250	2.500	2.250	5.482	1.535	0.546	Brown	I-87	1.062	0.828
CLWD-500-12-134	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	1/2	0.562	1.750	3.000	2.250	5.982	1.535	0.546	Brown	I-87	1.062	0.828
CLWD-600-38-1	600kcmil	400 G,H,I,K,M FLEX 444.4 DLO	600kcmil - 250kcmil	3/8	0.406	1.000	1.937	2.687	5.433	1.712	0.414	Green	I-94	1.187	0.920
CLWD-600-12-134	600kcmil	400 G,H,I,K,M FLEX 444.4 DLO	600kcmil - 250kcmil	1/2	0.562	1.750	3.000	2.687	6.496	1.712	0.546	Green	I-94	1.187	0.920
CLWD-650-12-114	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	1/2	0.562	1.250	2.500	2.687	6.056	1.764	0.546	Pink	I-99	1.217	0.958
CLWD-650-12-134	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	1/2	0.562	1.750	3.000	2.687	6.556	1.764	0.546	Pink	I-99	1.217	0.958
CLWD-650-38-1	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	3/8	0.406	1.000	1.937	2.687	5.493	1.764	0.414	Pink	I-99	1.217	0.958
CLWD-650-38-118	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	3/8	0.406	1.125	2.125	2.687	5.681	1.764	0.414	Pink	I-99	1.217	0.958
CLWD-650-516-1	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	1/32	0.343	1.000	1.937	2.687	5.493	1.764	0.3515	Pink	I-99	1.217	0.958

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SureCrimp® Copper Compression Lugs
Long Barrel - 2 Hole, w/Sight Hole
Conductor Range: 1000kcmil - 700kcmil

NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A

TYPE
CLWD

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
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- For direct bury 500 kcmil - 10 grounding and bonding
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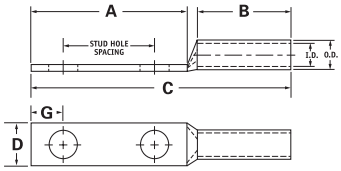
Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CLWD-700-38-1	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	3/8	0.406	1.000	1.937	2.687	5.493	1.816	0.414	Pink	I-99	1.250	0.991
CLWD-700-38-118	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	3/8	0.406	1.125	2.125	2.687	5.681	1.816	0.414	Pink	I-99	1.250	0.991
CLWD-700-12-112	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	1/2	0.562	1.500	2.625	2.687	6.181	1.816	0.546	Pink	I-99	1.250	0.991
CLWD-700-12-134	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	1/2	0.562	1.750	3.000	2.687	6.556	1.816	0.546	Pink	I-99	1.250	0.991
CLWD-700-12-178	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	1/2	0.562	1.875	3.000	2.687	6.556	1.816	0.546	Pink	I-99	1.250	0.991
CLWD-750-38-1	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	3/8	0.406	1.000	1.937	2.875	5.714	1.901	0.414	Black	I-106	1.313	1.031
CLWD-750-38-118	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	3/8	0.406	1.125	2.125	2.875	5.902	1.901	0.414	Black	I-106	1.313	1.031
CLWD-750-12-112	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	1/2	0.562	1.500	2.625	2.875	6.402	1.901	0.546	Black	I-106	1.313	1.031
CLWD-750-12-134	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	1/2	0.562	1.750	3.000	2.875	6.777	1.901	0.546	Black	I-106	1.313	1.031
CLWD-750-58-112	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	5/8	0.656	1.500	3.000	2.875	6.777	1.901	0.671	Black	I-106	1.313	1.031
CLWD-1000-38-1	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	3/8	0.406	1.000	1.937	3.000	5.962	2.169	0.414	White	I-125	1.500	1.172
CLWD-1000-12-114	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	1/2	0.562	1.250	2.500	3.000	6.525	2.169	0.546	White	I-125	1.500	1.172
CLWD-1000-12-134	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	1/2	0.562	1.750	3.000	3.000	7.025	2.169	0.546	White	I-125	1.500	1.172
CLWD-1000-58-112	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	5/8	0.656	1.500	3.000	3.000	7.025	2.169	0.671	White	I-125	1.500	1.172

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) * When installed with specified dieless tools See pages 80 to 90 for complete tooling information.
For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg. Tested to UL 486A/B, UL File E6207

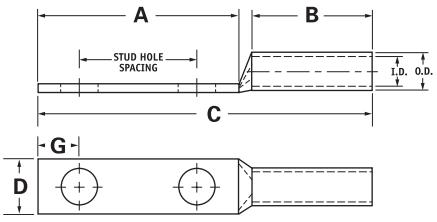
SureCrimp® Copper Compression Lugs
Long Barrel - 2 Hole, w/o Sight Hole
Conductor Range: #4 - #8

NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | CSA LR-29601

A TYPE **CLND**

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CLND-8-10-58	#8 AWG	#8 FLEX, #8 SOL	-	10	0.219	0.625	1.250	0.812	2.257	0.374	0.258	Red	I-21	0.272	0.179
CLND-8-10-34	#8 AWG	#8 FLEX, #8 SOL	-	10	0.219	0.750	1.437	0.812	2.444	0.374	0.258	Red	I-21	0.272	0.179
CLND-8-14-58	#8 AWG	#8 FLEX, #8 SOL	-	1/4	0.281	0.625	1.437	0.812	2.444	0.486	0.320	Red	I-21	0.272	0.179
CLND-8-14-34	#8 AWG	#8 FLEX, #8 SOL	-	1/4	0.281	0.750	1.437	0.812	2.444	0.486	0.320	Red	I-21	0.272	0.179
CLND-8-14-1	#8 AWG	#8 FLEX, #8 SOL	-	1/4	0.281	1.000	1.687	0.812	2.694	0.486	0.320	Red	I-21	0.272	0.179
CLND-8-38-1	#8 AWG	#8 FLEX, #8 SOL	-	3/8	0.406	1.000	1.937	0.812	2.944	0.593	0.414	Red	I-21	0.272	0.179
CLND-6-10-12	#6 AWG	#6 FLEX, #6 SOL	-	10	0.219	0.500	1.250	1.125	2.570	0.440	0.258	Blue	I-24	0.320	0.225
CLND-6-10-58	#6 AWG	#6 FLEX, #6 SOL	-	10	0.219	0.625	1.250	1.125	2.570	0.440	0.258	Blue	I-24	0.320	0.225
CLND-6-10-1116	#6 AWG	#6 FLEX, #6 SOL	-	10	0.219	0.687	1.250	1.125	2.570	0.440	0.258	Blue	I-24	0.320	0.225
CLND-6-10-34	#6 AWG	#6 FLEX, #6 SOL	-	10	0.219	0.750	1.437	1.125	2.757	0.440	0.258	Blue	I-24	0.320	0.225
CLND-6-14-12	#6 AWG	#6 FLEX, #6 SOL	-	1/4	0.281	0.500	1.250	1.125	2.570	0.440	0.320	Blue	I-24	0.320	0.225
CLND-6-14-58	#6 AWG	#6 FLEX, #6 SOL	-	1/4	0.281	0.625	1.437	1.125	2.757	0.440	0.320	Blue	I-24	0.320	0.225
CLND-6-14-34	#6 AWG	#6 FLEX, #6 SOL	-	1/4	0.281	0.750	1.437	1.125	2.757	0.440	0.320	Blue	I-24	0.320	0.225
CLND-6-14-1	#6 AWG	#6 FLEX, #6 SOL	-	1/4	0.281	1.000	1.687	1.125	3.007	0.440	0.320	Blue	I-24	0.320	0.225
CLND-6-516-34	#6 AWG	#6 FLEX, #6 SOL	-	5/16	0.343	0.750	1.687	1.125	3.007	0.530	0.352	Blue	I-24	0.320	0.225
CLND-6-516-1	#6 AWG	#6 FLEX, #6 SOL	-	5/16	0.343	1.000	1.937	1.125	3.257	0.530	0.352	Blue	I-24	0.320	0.225
CLND-6-38-34	#6 AWG	#6 FLEX, #6 SOL	-	3/8	0.406	0.750	1.687	1.125	3.007	0.598	0.414	Blue	I-24	0.320	0.225
CLND-6-38-78	#6 AWG	#6 FLEX, #6 SOL	-	3/8	0.406	0.875	1.937	1.125	3.257	0.598	0.414	Blue	I-24	0.320	0.225
CLND-6-38-1	#6 AWG	#6 FLEX, #6 SOL	-	3/8	0.406	1.000	1.937	1.125	3.257	0.598	0.414	Blue	I-24	0.320	0.225
CLND-6-12-134	#6 AWG	#6 FLEX, #6 SOL	-	1/2	0.562	1.750	3.000	1.125	4.320	0.755	0.546	Blue	I-24	0.320	0.225
CLND-4-10-58	#4 AWG	#4 SOL	4-6 AWG	10	0.219	0.625	1.250	1.125	2.609	0.486	0.258	Gray	I-29	0.343	0.250
CLND-4-10-34	#4 AWG	#4 SOL	4-6 AWG	10	0.219	0.750	1.437	1.125	2.796	0.486	0.258	Gray	I-29	0.343	0.250
CLND-4-10-1	#4 AWG	#4 SOL	4-6 AWG	10	0.219	1.000	1.687	1.125	3.046	0.486	0.258	Gray	I-29	0.343	0.250
CLND-4-14-58	#4 AWG	#4 SOL	4-6 AWG	1/4	0.281	0.625	1.437	1.125	2.796	0.486	0.320	Gray	I-29	0.343	0.250
CLND-4-14-34	#4 AWG	#4 SOL	4-6 AWG	1/4	0.281	0.750	1.437	1.125	2.796	0.486	0.320	Gray	I-29	0.343	0.250
CLND-4-516-34	#4 AWG	#4 SOL	4-6 AWG	5/16	0.343	0.750	1.687	1.125	3.046	0.486	0.352	Gray	I-29	0.343	0.250
CLND-4-516-1	#4 AWG	#4 SOL	4-6 AWG	5/16	0.343	1.000	1.937	1.125	3.296	0.486	0.352	Gray	I-29	0.343	0.250
CLND-4-38-34	#4 AWG	#4 SOL	4-6 AWG	3/8	0.406	0.750	1.687	1.125	3.046	0.593	0.414	Gray	I-29	0.343	0.250
CLND-4-38-1	#4 AWG	#4 SOL	4-6 AWG	3/8	0.406	1.000	1.937	1.125	3.296	0.593	0.414	Gray	I-29	0.343	0.250
CLND-4-12-134	#4 AWG	#4 SOL	4-6 AWG	1/2	0.562	1.750	3.000	1.125	4.359	0.750	0.546	Gray	I-29	0.343	0.250

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For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg. Tested to UL 486A/B, UL File E6207

4730 Madison Road, Cincinnati OH 45227-1426 | PH: 513.533.6200 | FAX: 513.871.4084 | www.ilsco.com
In Canada: 615 B Orwell Street, Mississauga, Ontario, Canada L5A 2W4 | PH: 905.274.2341 | FAX: 905.279.2682

SureCrimp® Copper Compression Lugs
Long Barrel - 2 Hole, w/o Sight Hole
Conductor Range: #1 - #3

NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A

TYPE
CLND

Features
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- Electro-Tin plated
- Chamfered entry
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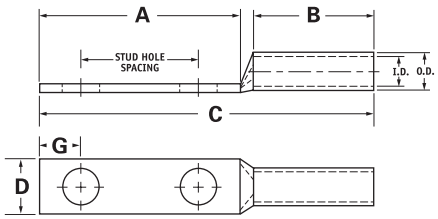

Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CLND-3-14-58	#3 AWG	#4 FLEX	3-6 AWG	1/4	0.281	0.625	1.437	1.125	2.817	0.532	0.320	White	I-29	0.375	0.275
CLND-3-14-34	#3 AWG	#4 FLEX	3-6 AWG	1/4	0.281	0.750	1.437	1.125	2.817	0.532	0.320	White	I-29	0.375	0.275
CLND-3-516-58	#3 AWG	#4 FLEX	3-6 AWG	5/16	0.343	0.625	1.437	1.125	2.817	0.532	0.352	White	I-29	0.375	0.275
CLND-3-516-1	#3 AWG	#4 FLEX	3-6 AWG	5/16	0.343	1.000	1.937	1.125	3.317	0.532	0.352	White	I-29	0.375	0.275
CLND-3-38-34	#3 AWG	#4 FLEX	3-6 AWG	3/8	0.406	0.750	1.687	1.125	3.067	0.593	0.414	White	I-29	0.375	0.275
CLND-3-38-1	#3 AWG	#4 FLEX	3-6 AWG	3/8	0.406	1.000	1.937	1.125	3.317	0.593	0.414	White	I-29	0.375	0.275
CLND-3-12-134	#3 AWG	#4 FLEX	3-6 AWG	1/2	0.562	1.750	3.000	1.125	4.380	0.750	0.546	White	I-29	0.375	0.275
CLND-2-10-34	#2 AWG	#2 SOL	2-6 AWG	10	0.219	0.750	1.437	1.125	2.848	0.599	0.258	Brown	I-33	0.421	0.312
CLND-2-14-58	#2 AWG	#2 SOL	2-6 AWG	1/4	0.281	0.625	1.437	1.125	2.848	0.599	0.320	Brown	I-33	0.421	0.312
CLND-2-14-34	#2 AWG	#2 SOL	2-6 AWG	1/4	0.281	0.750	1.437	1.125	2.848	0.599	0.320	Brown	I-33	0.421	0.312
CLND-2-14-1	#2 AWG	#2 SOL	2-6 AWG	1/4	0.281	1.000	1.687	1.125	3.098	0.599	0.320	Brown	I-33	0.421	0.312
CLND-2-516-34	#2 AWG	#2 SOL	2-6 AWG	5/16	0.343	0.750	1.687	1.125	3.098	0.599	0.352	Brown	I-33	0.421	0.312
CLND-2-516-1	#2 AWG	#2 SOL	2-6 AWG	5/16	0.343	1.000	1.937	1.125	3.348	0.599	0.352	Brown	I-33	0.421	0.312
CLND-2-38-34	#2 AWG	#2 SOL	2-6 AWG	3/8	0.406	0.750	1.687	1.125	3.098	0.599	0.414	Brown	I-33	0.421	0.312
CLND-2-38-78	#2 AWG	#2 SOL	2-6 AWG	3/8	0.406	0.875	1.937	1.125	3.348	0.599	0.414	Brown	I-33	0.421	0.312
CLND-2-38-1	#2 AWG	#2 SOL	2-6 AWG	3/8	0.406	1.000	1.937	1.125	3.348	0.599	0.414	Brown	I-33	0.421	0.312
CLND-2-38-134	#2 AWG	#2 SOL	2-6 AWG	3/8	0.406	1.750	2.625	1.125	4.036	0.599	0.414	Brown	I-33	0.421	0.312
CLND-2-12-134	#2 AWG	#2 SOL	2-6 AWG	1/2	0.562	1.750	3.000	1.125	4.411	0.750	0.546	Brown	I-33	0.421	0.312
CLND-1-14-58	#1 AWG	#2 FLEX	1-6 AWG	1/4	0.281	0.625	1.437	1.375	3.142	0.673	0.320	Green	I-37	0.468	0.359
CLND-1-14-34	#1 AWG	#2 FLEX	1-6 AWG	1/4	0.281	0.750	1.437	1.375	3.142	0.673	0.320	Green	I-37	0.468	0.359
CLND-1-14-1	#1 AWG	#2 FLEX	1-6 AWG	1/4	0.281	1.000	1.687	1.375	3.392	0.673	0.320	Green	I-37	0.468	0.359
CLND-1-516-78	#1 AWG	#2 FLEX	1-6 AWG	5/16	0.343	0.875	1.687	1.375	3.392	0.673	0.352	Green	I-37	0.468	0.359
CLND-1-516-1	#1 AWG	#2 FLEX	1-6 AWG	5/16	0.343	1.000	1.937	1.375	3.642	0.673	0.352	Green	I-37	0.468	0.359
CLND-1-38-1	#1 AWG	#2 FLEX	1-6 AWG	3/8	0.406	1.000	1.937	1.375	3.642	0.673	0.414	Green	I-37	0.468	0.359
CLND-1-12-134	#1 AWG	#2 FLEX	1-6 AWG	1/2	0.562	1.750	3.000	1.375	4.705	0.750	0.546	Green	I-37	0.468	0.359

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SureCrimp® Copper Compression Lugs
Long Barrel - 2 Hole, w/o Sight Hole
Conductor Range: 3/0 - 1/0

NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A TYPE **CLND**

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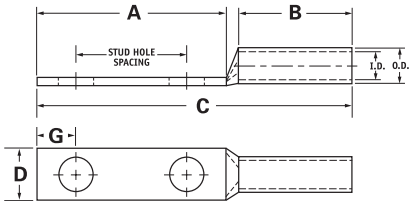

Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CLND-1/0-14-58	1/0 AWG	#1 FLEX	1/0-6 AWG	1/4	0.281	0.625	1.437	1.500	3.293	0.738	0.320	Pink	I-42	0.515	0.390
CLND-1/0-14-34	1/0 AWG	#1 FLEX	1/0-6 AWG	1/4	0.281	0.750	1.437	1.500	3.293	0.738	0.320	Pink	I-42	0.515	0.390
CLND-1/0-14-1	1/0 AWG	#1 FLEX	1/0-6 AWG	1/4	0.281	1.000	1.687	1.500	3.543	0.738	0.320	Pink	I-42	0.515	0.390
CLND-1/0-516-34	1/0 AWG	#1 FLEX	1/0-6 AWG	5/16	0.343	0.750	1.687	1.500	3.543	0.738	0.352	Pink	I-42	0.515	0.390
CLND-1/0-516-78	1/0 AWG	#1 FLEX	1/0-6 AWG	5/16	0.343	0.875	1.687	1.500	3.543	0.738	0.352	Pink	I-42	0.515	0.390
CLND-1/0-516-1	1/0 AWG	#1 FLEX	1/0-6 AWG	5/16	0.343	1.000	1.937	1.500	3.793	0.738	0.352	Pink	I-42	0.515	0.390
CLND-1/0-38-1	1/0 AWG	#1 FLEX	1/0-6 AWG	3/8	0.406	1.000	1.937	1.500	3.793	0.738	0.414	Pink	I-42	0.515	0.390
CLND-1/0-38-134	1/0 AWG	#1 FLEX	1/0-6 AWG	3/8	0.406	1.750	2.625	1.500	4.481	0.738	0.414	Pink	I-42	0.515	0.390
CLND-1/0-12-1	1/0 AWG	#1 FLEX	1/0-6 AWG	1/2	0.562	1.000	2.125	1.500	3.981	0.738	0.546	Pink	I-42	0.515	0.390
CLND-1/0-12-134	1/0 AWG	#1 FLEX	1/0-6 AWG	1/2	0.562	1.750	3.000	1.500	4.856	0.738	0.546	Pink	I-42	0.515	0.390
CLND-2/0-14-58	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/4	0.281	0.625	1.437	1.500	3.333	0.811	0.320	Black	I-45	0.562	0.437
CLND-2/0-14-34	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/4	0.281	0.750	1.437	1.500	3.333	0.811	0.320	Black	I-45	0.562	0.437
CLND-2/0-14-1	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/4	0.281	1.000	1.687	1.500	3.583	0.811	0.320	Black	I-45	0.562	0.437
CLND-2/0-516-1	2/0 AWG	1/0 FLEX	2/0-4 AWG	5/16	0.343	1.000	1.937	1.500	3.833	0.811	0.352	Black	I-45	0.562	0.437
CLND-2/0-38-1	2/0 AWG	1/0 FLEX	2/0-4 AWG	3/8	0.406	1.000	1.937	1.500	3.833	0.811	0.414	Black	I-45	0.562	0.437
CLND-2/0-38-134	2/0 AWG	1/0 FLEX	2/0-4 AWG	3/8	0.406	1.750	2.625	1.500	4.521	0.811	0.414	Black	I-45	0.562	0.437
CLND-2/0-12-1	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/2	0.562	1.000	2.125	1.500	4.021	0.811	0.546	Black	I-45	0.562	0.437
CLND-2/0-12-134	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/2	0.562	1.750	3.000	1.500	4.896	0.811	0.546	Black	I-45	0.562	0.437
CLND-3/0-14-58	3/0 AWG	2/0 FLEX	3/0-2 AWG	1/4	0.281	0.625	1.437	1.500	3.376	0.885	0.320	Orange	I-50	0.609	0.484
CLND-3/0-14-34	3/0 AWG	2/0 FLEX	3/0-2 AWG	1/4	0.281	0.750	1.437	1.500	3.376	0.885	0.320	Orange	I-50	0.609	0.484
CLND-3/0-516-1	3/0 AWG	2/0 FLEX	3/0-2 AWG	5/16	0.343	1.000	1.937	1.500	3.876	0.885	0.352	Orange	I-50	0.609	0.484
CLND-3/0-38-1	3/0 AWG	2/0 FLEX	3/0-2 AWG	3/8	0.406	1.000	1.937	1.500	3.876	0.885	0.414	Orange	I-50	0.609	0.484
CLND-3/0-12-134	3/0 AWG	2/0 FLEX	3/0-2 AWG	1/2	0.562	1.750	3.000	1.500	4.939	0.885	0.546	Orange	I-50	0.609	0.484

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) * When installed with specified dieless tools See pages 80 to 90 for complete tooling information.
For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg. Tested to UL 486A/B, UL File E6207

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In Canada: 615 B Orwell Street, Mississauga, Ontario, Canada L5A 2W4 | PH: 905.274.2341 | FAX: 905.279.2682

SureCrimp® Copper Compression Lugs
Long Barrel - 2 Hole, w/o Sight Hole
Conductor Range: 350kcmil - 4/0

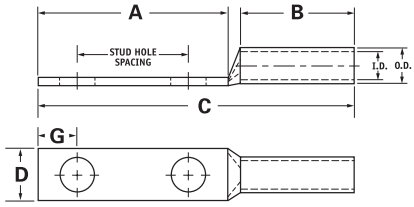
NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A

TYPE
CLND

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions A	B	C	D	G	Die Color Dode	Die Index	O.D.	I.D
CLND-4/0-14-58	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/4	0.281	0.625	1.437	1.500	3.428	0.999	0.320	Purple	I-54	0.687	0.546
CLND-4/0-14-34	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/4	0.281	0.750	1.437	1.500	3.428	0.999	0.320	Purple	I-54	0.687	0.546
CLND-4/0-14-1	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/4	0.281	1.000	1.687	1.500	3.678	0.999	0.320	Purple	I-54	0.687	0.546
CLND-4/0-516-34	4/0 AWG	3/0 FLEX	4/0-1 AWG	5/16	0.343	0.750	1.687	1.500	3.678	0.999	0.352	Purple	I-54	0.687	0.546
CLND-4/0-516-1	4/0 AWG	3/0 FLEX	4/0-1 AWG	5/16	0.343	1.000	1.937	1.500	3.928	0.999	0.352	Purple	I-54	0.687	0.546
CLND-4/0-516-134	4/0 AWG	3/0 FLEX	4/0-1 AWG	5/16	0.343	1.750	2.500	1.500	4.491	0.999	0.352	Purple	I-54	0.687	0.546
CLND-4/0-38-1	4/0 AWG	3/0 FLEX	4/0-1 AWG	3/8	0.406	1.000	1.937	1.500	3.928	0.999	0.414	Purple	I-54	0.687	0.546
CLND-4/0-38-134	4/0 AWG	3/0 FLEX	4/0-1 AWG	3/8	0.406	1.750	2.625	1.500	4.616	0.999	0.414	Purple	I-54	0.687	0.546
CLND-4/0-12-1	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/2	0.562	1.000	2.125	1.500	4.116	0.999	0.546	Purple	I-54	0.687	0.546
CLND-4/0-12-114	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/2	0.562	1.250	2.500	1.500	4.491	0.999	0.546	Purple	I-54	0.687	0.546
CLND-4/0-12-134	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/2	0.562	1.750	3.000	1.500	4.991	0.999	0.546	Purple	I-54	0.687	0.546
CLND-250-14-34	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	1/4	0.281	0.750	1.437	1.688	3.656	1.088	0.320	Yellow	I-62	0.750	0.593
CLND-250-38-1	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	3/8	0.406	1.000	1.937	1.688	4.156	1.088	0.414	Yellow	I-62	0.750	0.593
CLND-250-38-134	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	3/8	0.406	1.750	2.625	1.688	4.844	1.088	0.414	Yellow	I-62	0.750	0.593
CLND-250-12-114	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	1/2	0.562	1.250	2.500	1.688	4.719	1.088	0.546	Yellow	I-62	0.750	0.593
CLND-250-12-134	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	1/2	0.562	1.750	3.000	1.688	5.219	1.088	0.546	Yellow	I-62	0.750	0.593
CLND-300-38-1	300kcmil	250 G,H FLEX	300kcmil - 2/0 AWG	3/8	0.406	1.000	1.937	2.000	4.524	1.189	0.414	White	I-66	0.812	0.660
CLND-300-12-134	300kcmil	250 G,H FLEX	300kcmil - 2/0 AWG	1/2	0.562	1.750	3.000	2.000	5.587	1.189	0.546	White	I-66	0.812	0.660
CLND-350-14-34	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	1/4	0.281	0.750	1.437	2.000	4.060	1.291	0.320	Red	I-71	0.890	0.703
CLND-350-516-134	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	5/16	0.343	1.750	2.500	2.000	5.123	1.291	0.352	Red	I-71	0.890	0.703
CLND-350-38-1	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	3/8	0.406	1.000	1.937	2.000	4.560	1.291	0.414	Red	I-71	0.890	0.703
CLND-350-12-114	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	1/2	0.562	1.250	2.500	2.000	5.123	1.291	0.546	Red	I-71	0.890	0.703
CLND-350-12-134	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	1/2	0.562	1.750	3.000	2.000	5.623	1.291	0.546	Red	I-71	0.890	0.703

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) * When installed with specified dieless tools See pages 80 to 90 for complete tooling information.
For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg. Tested to UL 486A/B, UL File E6207

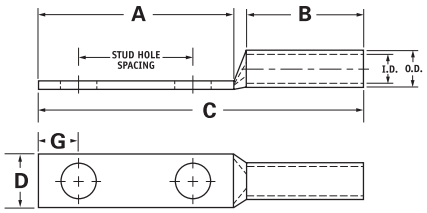
SureCrimp® Copper Compression Lugs
Long Barrel - 2 Hole, w/o Sight Hole
Conductor Range: 650kcmil - 400kcmil

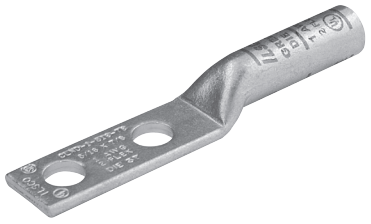
NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A TYPE **CLND**

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility





Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CLND-400-38-1	400kcmil	300 G,H,I,K,M FLEX 313.1 DLO	400kcmil - 4/0 AWG	3/8	0.406	1.000	1.937	2.125	4.729	1.365	0.414	Blue	I-76	0.937	0.750
CLND-400-38-116	400kcmil	300 G,H,I,K,M FLEX 313.1 DLO	400kcmil - 4/0 AWG	3/8	0.406	1.062	1.937	2.125	4.729	1.365	0.414	Blue	I-76	0.937	0.750
CLND-400-12-134	400kcmil	300 G,H,I,K,M FLEX 313.1 DLO	400kcmil - 4/0 AWG	1/2	0.562	1.750	3.000	2.125	5.792	1.365	0.546	Blue	I-76	0.937	0.750
CLND-500-14-34	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	1/4	0.281	0.750	1.437	2.250	4.419	1.535	0.320	Brown	I-87	1.062	0.828
CLND-500-38-1	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	3/8	0.406	1.000	1.937	2.250	4.919	1.535	0.414	Brown	I-87	1.062	0.828
CLND-500-12-114	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	1/2	0.562	1.250	2.500	2.250	5.482	1.535	0.546	Brown	I-87	1.062	0.828
CLND-500-12-134	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	1/2	0.562	1.750	3.000	2.250	5.982	1.535	0.546	Brown	I-87	1.062	0.828
CLND-600-38-1	600kcmil	400 G,H,I,K,M FLEX 444.4 DLO	600kcmil - 250kcmil	3/8	0.406	1.000	1.937	2.687	5.433	1.712	0.414	Green	I-94	1.187	0.920
CLND-600-12-134	600kcmil	400 G,H,I,K,M FLEX 444.4 DLO	600kcmil - 250kcmil	1/2	0.562	1.750	3.000	2.687	6.496	1.712	0.546	Green	I-94	1.187	0.920
CLND-650-12-114	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	1/2	0.562	1.250	2.500	2.687	6.056	1.764	0.546	Pink	I-99	1.217	0.958
CLND-650-12-134	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	1/2	0.562	1.750	3.000	2.687	6.556	1.764	0.546	Pink	I-99	1.217	0.958
CLND-650-38-1	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	3/8	0.406	1.000	2.125	2.687	5.493	1.764	0.414	Pink	I-99	1.217	0.958
CLND-650-38-118	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	3/8	0.406	1.125	2.125	2.687	5.681	1.764	0.414	Pink	I-99	1.217	0.958
CLND-650-516-1	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	1/32	0.343	1.000	1.937	2.687	5.493	1.764	0.3515	Pink	I-99	1.217	0.958

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) * When installed with specified dieless tools See pages 80 to 90 for complete tooling information.
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SureCrimp® Copper Compression Lugs
Long Barrel - 2 Hole, w/o Sight Hole
Conductor Range: 1000kcmil - 700kcmil

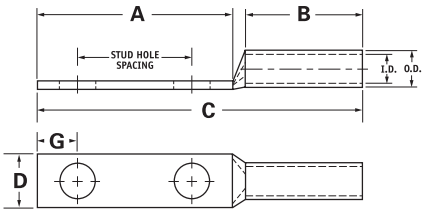
NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A

TYPE
CLND

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 10 AWG , #10 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90° C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CLND-700-38-1	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	3/8	0.406	1.000	1.937	2.687	5.493	1.816	0.414	Pink	I-99	1.250	0.991
CLND-700-38-1	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	3/8	0.406	1.000	1.937	2.687	5.493	1.816	0.414	Pink	I-99	1.250	0.991
CLND-700-38-118	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	3/8	0.406	1.125	2.125	2.687	5.681	1.816	0.414	Pink	I-99	1.250	0.991
CLND-700-12-112	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	1/2	0.562	1.500	2.625	2.687	6.181	1.816	0.546	Pink	I-99	1.250	0.991
CLND-700-12-134	700kcmil	500 G,H,I,K,M FLEX 350kcmil	700kcmil -	1/2	0.562	1.750	3.000	2.687	6.556	1.816	0.546	Pink	I-99	1.250	0.991
CLND-700-12-178	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	1/2	0.562	1.875	3.000	2.687	6.556	1.816	0.546	Pink	I-99	1.250	0.991
CLND-750-38-1	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	3/8	0.406	1.000	1.937	2.875	5.714	1.901	0.414	Black	I-106	1.313	1.031
CLND-750-38-118	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	3/8	0.406	1.125	2.125	2.875	5.902	1.901	0.414	Black	I-106	1.313	1.031
CLND-750-12-112	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	1/2	0.562	1.500	2.625	2.875	6.402	1.901	0.546	Black	I-106	1.313	1.031
CLND-750-12-134	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	1/2	0.562	1.750	3.000	2.875	6.777	1.901	0.546	Black	I-106	1.313	1.031
CLND-750-58-112	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	5/8	0.656	1.500	3.000	2.875	6.777	1.901	0.671	Black	I-106	1.313	1.031
CLND-1000-38-1	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	3/8	0.406	1.000	1.937	3.000	5.962	2.169	0.414	White	I-125	1.500	1.172
CLND-1000-12-114	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	1/2	0.562	1.250	2.500	3.000	6.525	2.169	0.546	White	I-125	1.500	1.172
CLND-1000-12-134	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	1/2	0.562	1.750	3.000	3.000	7.025	2.169	0.546	White	I-125	1.500	1.172
CLND-1000-58-112	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	5/8	0.656	1.500	3.000	3.000	7.025	2.169	0.671	White	I-125	1.500	1.172

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SureCrimp® Copper Compression Lugs
Long Barrel - Flared End, w/o Sight Hole
Conductor Range: 500kcmil - 2/0

RoHS Compliant

UL LISTED 453G

CSA LR-29601

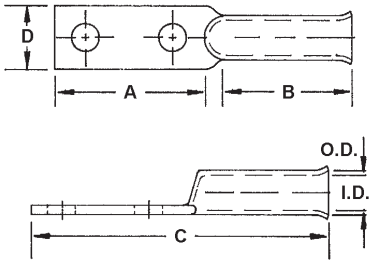
A TYPE **CLNF**

Features

- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- Rated to 90˚ C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CLNF-2/0-12-134	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/2	0.531	1.750	3.000	1.938	5.219	0.813	0.546	Black	I-45	0.562	0.437
CLNF-2/0-38	2/0 AWG	1/0 FLEX	2/0-4 AWG	3/8	0.406	-	0.875	1.938	3.094	0.813	0.414	Black	I-45	0.562	0.437
CLNF-3/0-12-134	3/0 AWG	2/0 FLEX	3/0-2 AWG	1/2	0.531	1.750	3.000	1.938	5.250	0.906	0.546	Orange	I-50	0.609	0.484
CLNF-3/0-12	3/0 AWG	2/0 FLEX	3/0-2 AWG	1/2	0.531	-	1.000	1.938	3.250	0.906	0.546	Orange	I-50	0.609	0.484
CLNF-4/0-12-134	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/2	0.531	1.750	3.000	2.125	5.469	1.000	0.546	Purple	I-54	0.687	0.546
CLNF-4/0-12	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/2	0.531	-	1.000	2.125	3.469	1.000	0.546	Purple	I-54	0.687	0.546
CLNF-250-12-134	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	1/2	0.531	1.750	3.000	2.125	5.563	1.090	0.546	Yellow	I-62	0.750	0.593
CLNF-250-12	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	1/2	0.531	-	1.125	2.125	3.688	1.090	0.546	Yellow	I-62	0.750	0.593
CLNF-300-12-134	300kcmil	250 G, H FLEX	300kcmil - 2/0 AWG	1/2	0.531	1.750	3.000	2.250	5.937	1.188	0.546	White	I-66	0.812	0.660
CLNF-300-58	300kcmil	250 G, H FLEX	300kcmil - 2/0 AWG	5/8	0.656	-	1.125	2.250	3.875	1.188	0.671	White	I-66	0.812	0.660
CLNF-350-12-134	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	1/2	0.531	1.750	3.000	2.563	6.000	1.280	0.546	Red	I-71	0.890	0.703
CLNF-350-58	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	5/8	0.656	-	1.125	2.563	4.125	1.280	0.671	Red	I-71	0.890	0.703
CLNF-400-12-134	400kcmil	300 G,H,I,K,M FLEX 313.1 DLO	400kcmil - 4/0 AWG	1/2	0.531	1.750	3.000	2.688	6.313	1.375	0.546	Blue	I-76	0.937	0.750
CLNF-400-58	400kcmil	300 G,H,I,K,M FLEX 313.1 DLO	400kcmil - 4/0 AWG	5/8	0.656	-	1.500	2.688	4.813	1.375	0.671	Blue	I-76	0.937	0.750
CLNF-500-12-134	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	1/2	0.531	1.750	3.000	2.813	6.313	1.531	0.546	Brown	I-87	1.062	0.828
CLNF-500-58	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	5/8	0.656	-	1.500	2.813	4.813	1.531	0.671	Brown	I-87	1.062	0.828

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) * When installed with specified dieless tools See pages 80 to 90 for complete tooling information.
For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg. Tested to UL 486A/B, UL File E6207

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SureCrimp® Copper Compression Lugs
Long Barrel - Flared End, w/o Sight Hole
Conductor Range: 1111 kcmil - 600kcmil

RoHS Compliant

UL LISTED 453G

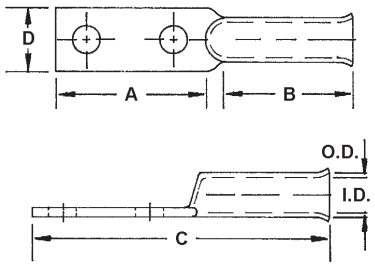
SA LR-29601

A

TYPE
CLNF

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- Rated to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CLNF-600-12-134	600kcmil	400 G,H,I,K,M FLEX 444.4 DLO	600kcmil - 250kcmil	1/2	0.531	1.750	3.000	2.875	6.813	1.680	0.546	Green	I-94	1.187	0.920
CLNF-600-58	600kcmil	400 G,H,I,K,M FLEX 444.4 DLO	600kcmil - 250kcmil	5/8	0.656	-	1.500	2.875	5.375	1.680	0.671	Green	I-94	1.187	0.920
CLNF-700-12-134	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	1/2	0.531	1.750	3.000	2.813	6.625	1.844	0.546	Pink	I-99	1.250	0.991
CLNF-700-58	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	5/8	0.656	-	1.750	2.563	5.375	1.844	0.671	Pink	I-99	1.250	0.991
CLNF-750-12-134	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	1/2	0.531	1.750	3.000	2.813	6.625	1.906	0.546	Black	I-106	1.313	1.031
CLNF-750-58	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	5/8	0.656	-	1.938	2.813	5.563	1.906	0.671	Black	I-106	1.313	1.031
CLNF-1000-12-134	1000kcmil	750 G,H, I FLEX 777.7 DLO	1000kcmil - 750kcmil	1/2	0.531	1.750	3.000	3.563	7.438	2.188	0.546	White	I-125	1.500	1.172
CLNF-1000-58	1000kcmil	750 G,H, I FLEX 777.7 DLO	1000kcmil - 750kcmil	5/8	0.656	-	2.125	3.563	6.563	2.188	0.671	White	I-125	1.500	1.172
CLNF-1111-12-134	1111kcmil	-	-	1/2	0.562	1.750	3.000	3.313	7.438	2.600	0.546	White	IDT-12	1.750	1.458
CLNF-1111-58	1111kcmil	-	-	5/8	0.656	-	2.250	3.563	6.688	2.600	0.671	White	IDT-12	1.750	1.458

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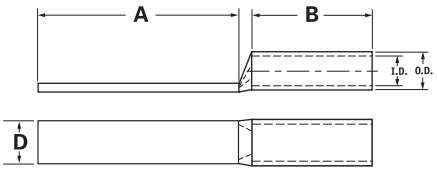
SureCrimp®
Copper Compression Lugs500kcmil

NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A TYPE **CLNU**

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- or direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Dimensions A	Dimensions B	Dimensions D	Die Color Dode	Die Index	O.D.	I.D
CLNU-6	6 AWG	#6 FLEX, #6 SOL	-	3.000	1.130	0.760	Blue	I-24	0.320	0.225
CLNU-4	4 AWG	#4 SOL	4-6 AWG	3.000	1.130	0.760	White	I-29	0.343	0.250
CLNU-3	3 AWG	#4 FLEX	3-6 AWG	3.000	1.130	0.750	White	I-29	0.375	0.275
CLNU-2	2 AWG	#2 SOL	2-6 AWG	3.000	1.130	0.740	Brown	I-33	0.421	0.312
CLNU-1	1 AWG	#2 FLEX	1-6 AWG	3.000	1.380	0.740	Green	I-37	0.468	0.359
CLNU-1/0	1/0 AWG	#1 FLEX	1/0-6 AWG	3.000	1.500	0.740	Pink	I-42	0.515	0.390
CLNU-2/0	2/0 AWG	1/0 FLEX	2/0-4 AWG	3.000	1.500	0.810	Black	I-45	0.562	0.437
CLNU-3/0	3/0 AWG	2/0 FLEX	3/0-2 AWG	3.000	1.500	0.890	Orange	I-50	0.609	0.484
CLNU-4/0	4/0 AWG	3/0 FLEX	4/0-1 AWG	3.000	1.500	1.000	Purple	I-54	0.687	0.546
CLNU-250	250kcmil	4/0 FLEX	250kcmil-1/0 AWG	3.000	1.690	1.090	Yellow	I-62	0.750	0.593
CLNU-300	300kcmil	250 G,H FLEX	300kcmil-2/0 AWG	3.000	2.000	1.190	White	I-66	0.812	0.660
CLNU-350	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil-3/0 AWG	3.000	2.000	1.290	Red	I-71	0.890	0.703
CLNU-400	400kcmil	300 G,H,I,K,M FLEX 313.1 DLO	400kcmil-4/0 AWG	3.000	2.130	1.370	Blue	I-76	0.937	0.750
CLNU-500	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil-250kcmil	3.000	2.250	1.530	Brown	I-87	1.062	0.828
CLNU-600	600kcmil	400 G,H,I,K,M FLEX 444.4 DLO	600kcmil-250kcmil	3.000	2.690	1.710	Green	I-94	1.187	0.920
CLNU-650	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil-350kcmil	3.000	2.690	1.760	Pink	I-99	1.217	0.958
CLNU-700	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil-350kcmil	3.000	2.690	1.820	Pink	I-99	1.250	0.991
CLNU-750	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil-500kcmil	3.000	2.880	1.900	Black	I-106	1.313	1.031
CLNU-1000	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil-750kcmil	3.000	3.000	2.170	White	I-125	1.500	1.172

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) * When installed with specified dieless tools See pages 80 to 90 for complete tooling information.
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SureCrimp® Copper Compression Lugs
Stnd Barrel - Narrow Tang w/Sight Hole
Conductor Range: 1000kcmil - #2

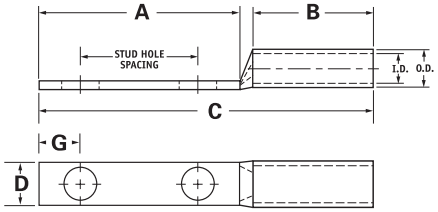
NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A

TYPE
CSWN

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Narrow tang width
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For limited space applications
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CSWN-2-14	#2 AWG	#2 SOL	2-6 AWG	1/4	0.281	-	0.875	0.625	1.786	0.406	0.320	Brown	I-33	0.421	0.312
CSWN-2-14-58	#2 AWG	#2 SOL	2-6 AWG	1/4	0.281	0.625	1.437	0.625	2.348	0.406	0.320	Brown	I-33	0.421	0.312
CSWN-1-14	#1 AWG	#2 FLEX	1-6 AWG	1/4	0.281	-	0.875	0.625	1.830	0.453	0.320	Green	I-37	0.468	0.359
CSWN-1/0-516	1/0 AWG	#1 FLEX	1/0-6 AWG	5/16	0.343	-	0.875	0.850	2.081	0.500	0.352	Pink	I-42	0.515	0.390
CSWN-2/0-516	2/0 AWG	1/0 FLEX	2/0-4 AWG	5/16	0.343	-	0.875	0.850	2.121	0.547	0.352	Black	I-45	0.562	0.437
CSWN-3/0-38	3/0 AWG	2/0 FLEX	3/0-2 AWG	3/8	0.406	-	0.875	0.850	2.164	0.594	0.414	Orange	I-50	0.609	0.484
CSWN-4/0-38	4/0 AWG	3/0 FLEX	4/0-1 AWG	3/8	0.406	-	0.875	0.975	2.341	0.672	0.414	Purple	I-54	0.687	0.546
CSWN-250-38-1	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	3/8	0.406	-	1.937	1.163	3.631	0.735	0.414	Yellow	I-62	0.750	0.593
CSWN-350-38	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	3/8	0.406	-	0.875	1.063	2.561	0.875	0.414	Red	I-71	1.250	0.703
CSWN-350-38-1	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	3/8	0.406	1.000	1.937	1.063	3.623	0.875	0.414	Red	I-71	1.250	0.703
CSWN-500-38	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	3/8	0.406	-	0.875	1.300	2.907	1.047	0.414	Brown	I-87	1.250	0.828
CSWN-600-38	600kcmil	400 G,H,I,K,M FLEX 444.4 DLO	600kcmil - 250kcmil	3/8	0.406	-	0.875	1.375	3.059	1.172	0.414	Green	I-94	1.250	0.920
CSWN-750-38-1	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	3/8	0.406	1.000	1.937	1.500	4.339	1.298	0.414	Black	I-106	1.250	1.031
CSWN-1000-38-1	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	3/8	0.406	1.000	1.937	1.625	4.587	1.485	0.414	White	I-125	1.250	1.172
CSWN-1000-12-134	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	1/2	0.562	1.750	3.000	1.625	5.650	1.485	0.546	White	I-125	1.250	1.172

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) * When installed with specified dieless tools See pages 80 to 90 for complete tooling information.
For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg. Tested to UL 486A/B, UL File E6207

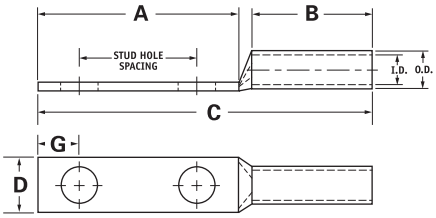
SureCrimp® Copper Compression Lugs
Long Barrel - Narrow Tang, w/Sight Hole
Conductor Range: 1000kcmil - 250kcmil

NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A TYPE **CLWN**

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Narrow tang width
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For limited space applications
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CLWN-250-38-1	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	3/8	0.406	-	1.937	1.688	4.156	0.735	0.414	Yellow	I-62	0.750	0.593
CLWN-500-38-1	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	3/8	0.406	1.000	1.937	2.250	4.919	1.047	0.414	Brown	I-87	1.062	0.828
CLWN-700-38-1	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	3/8	0.406	1.000	1.937	2.687	5.493	1.235	0.414	Pink	I-99	1.250	0.991
CLWN-700-12-134	700kcmil	500 G,H,I,K,M FLEX 535.3 DLO	700kcmil - 350kcmil	1/2	0.562	1.750	3.000	2.687	6.556	1.235	0.546	Pink	I-99	1.250	0.991
CLWN-750-38-1	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	3/8	0.406	1.000	1.937	2.875	5.714	1.298	0.414	Black	I-106	1.313	1.031
CLWN-750-12-134	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	1/2	0.562	1.750	3.000	2.875	6.777	1.298	0.546	Black	I-106	1.313	1.031
CLWN-1000-38-1	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	3/8	0.406	1.000	1.937	3.000	5.962	1.485	0.414	White	I-125	1.500	1.172

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) * When installed with specified dieless tools See pages 80 to 90 for complete tooling information.
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SureCrimp® Copper Compression Lugs
Slotted Tang, w/Sight Hole
Conductor Range: 300kcmil - 6

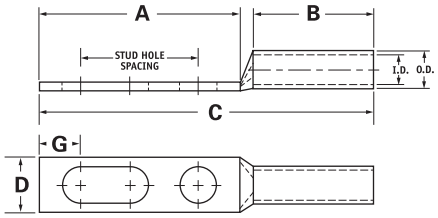
NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A

TYPE
CSLT

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- 2-hole tang provides maximum secureness, more contact surface and prevents rotation
- Color coded
- UL467 Listed for grounding and bonding applications,
- #8-#2 solid, 500kcmil - 8 AWG
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- For direct bury 500 kcmil - 10 grounding and bonding

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- 2nd hole slotted to accommodate variable spacing requirements
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CLWDS-6-14-58-1	#6 AWG	#6 FLEX, #6 SOL	-	1/4	0.281	5/8 to 1	1.687	1.125	3.007	0.406	0.320	BLUE	I-24	0312	0.225
CLWDS-4-14-58-1	#4 AWG	#4 SOL	4-6 AWG	1/4	0.281	5/8 to 1	1.687	1.125	3.046	0.486	0.320	GRAY	I-29	0.343	0.250
CLWDS-4-38-58-1	#4 AWG	#4 SOL	4-6 AWG	3/8	0.406	5/8 to 1	1.937	1.125	3.296	0.592	0.414	GRAY	I-29	0.343	0.250
CLWDS-3-14-58-1	#3 AWG	#4 FLEX	3-6 AWG	1/4	0.281	5/8 to 1	1.687	1.125	3.067	0.532	0.320	WHITE	I-29	0.375	0.275
CLWDS-3-38-58-1	#3 AWG	#4 FLEX	3-6 AWG	3/8	0.406	5/8 to 1	1.937	1.125	3.317	0.592	0.414	WHITE	I-29	0.375	0.275
CLWDS-2-14-58-1	#2 AWG	#2 SOL	2-6 AWG	1/4	0.281	5/8 to 1	1.687	1.125	3.098	0.599	0.320	BROWN	I-33	0.421	0.312
CLWDS-2-38-58-1	#2 AWG	#2 SOL	2-6 AWG	3/8	0.406	5/8 to 1	1.937	1.125	3.348	0.599	0.414	BROWN	I-33	0.421	0.312
CLWDS-1-14-58-1	#1 AWG	#2 FLEX	1-6 AWG	1/4	0.281	5/8 to 1	1.687	1.375	3.392	0.673	0.320	GREEN	I-37	0.468	0.359
CLWDS-1-38-58-1	#1 AWG	#2 FLEX	1-6 AWG	3/8	0.406	5/8 to 1	1.937	1.375	3.642	0.673	0.414	GREEN	I-37	0.468	0.359
CLWDS-1/0-38-1-134	1/0 AWG	#1 FLEX	1/0-6 AWG	3/8	0.406	1 to 1-3/4	2.625	1.600	4.581	0.738	0.414	PINK	I-42	0.515	0.390
CLWDS-1/0-12-1-134	1/0 AWG	#1 FLEX	1/0-6 AWG	1/2	0.562	1 to 1-3/4	3.000	1.600	4.956	0.738	0.546	PINK	I-42	0.515	0.390
CLWDS-2/0-38-1-134	2/0 AWG	1/0 FLEX	2/0-4 AWG	3/8	0.406	1 to 1-3/4	6.625	1.600	4.621	0.811	0.414	BLACK	I-45	0.562	0.437
CLWDS-2/0-12-1-134	2/0 AWG	1/0 FLEX	2/0-4 AWG	1/2	0.562	1 to 1-3/4	3.000	1.600	4.996	0.811	0.546	BLACK	I-45	0.562	0.437
CLWDS-3/0-38-1-134	3/0 AWG	2/0 FLEX	3/0-2 AWG	3/8	0.406	1 to 1-3/4	2.625	1.600	4.664	0.885	0.414	ORANGE	I-50	0.609	0.484
CLWDS-3/0-12-1-134	3/0 AWG	2/0 FLEX	3/0-2 AWG	1/2	0.562	1 to 1-3/4	3.000	1.600	5.039	0.885	0.546	ORANGE	I-50	0.609	0.484
CLWDS-4/0-38-1-134	4/0 AWG	3/0 FLEX	4/0-1 AWG	3/8	0.406	1 to 1-3/4	2.625	1.600	4.716	0.999	0.414	PURPLE	I-54	0.687	0.546
CLWDS-4/0-12-1-134	4/0 AWG	3/0 FLEX	4/0-1 AWG	1/2	0.562	1 to 1-3/4	3.000	1.600	5.091	0.999	0.546	PURPLE	I-54	0.687	0.546
CLWDS-250-38-1-134	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	3/8	0.406	1 to 1-3/4	2.625	1.788	4.944	1.088	0.414	YELLOW	I-62	0.750	0.593
CLWDS-250-12-1-134	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	1/2	0.562	1 to 1-3/4	3.000	1.788	5.319	1.088	0.546	YELLOW	I-62	0.750	0.593
CLWDS-300-38-1-134	300kcmil	250 G,H FLEX	300kcmil - 2/0 AWG	3/8	0.406	1 to 1-3/4	2.625	2.100	5.312	1.189	0.414	WHITE	I-66	0.812	0.660
CLWDS-300-12-1-134	300kcmil	250 G,H FLEX	300kcmil - 2/0 AWG	1/2	0.562	1 to 1-3/4	3.000	2.100	5.687	1.189	0.546	WHITE	I-66	0.812	0.660

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) * When installed with specified dieless tools See pages 80 to 90 for complete tooling information.
For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg. Tested to UL 486A/B, UL File E6207

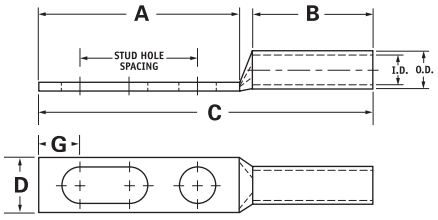
SureCrimp® Copper Compression Lugs
Slotted Tang, w/Sight Hole
Conductor Range: 1000kcmil - 250kcmil

NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | CSA LR-29601

A TYPE **CSLT**

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- 2-hole tang provides maximum secureness, more contact surface and prevents rotation
- Color coded
- UL467 Listed for grounding and bonding applications,
- #8-#2 solid, 500kcmil - 8 AWG
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- For direct bury 500 kcmil - 10 grounding and bonding

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- 2nd hole slotted to accommodate variable spacing requirements
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Bolt Size	Stud Hold Dia.	Stud Hole Spacing	Dimensions					Die Color Dode	Die Index	O.D.	I.D
							A	B	C	D	G				
CLWDS-350-38-1-134	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	3/8	0.406	1 to 1-3/4	2.625	2.000	5.248	1.291	0.414	RED	I-71	0.890	0.703
CLWDS-350-12-1-134	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	1/2	0.562	1 to 1-3/4	3.000	2.000	5.623	1.291	0.546	RED	I-71	0.890	0.703
CLWDS-400-38-1-134	400kcmil	300 G,H,I,K,M FLEX 313.1 DLO	400kcmil - 4/0 AWG	3/8	0.406	1 to 1-3/4	2.625	2.125	5.417	1.365	0.414	BLUE	I-76	0.937	0.750
CLWDS-400-12-1-134	400kcmil	300 G,H,I,K,M FLEX 313.1 DLO	400 kcmil - 4/0 AWG	1/2	0.562	1 to 1-3/4	3.000	2.125	5.792	1.365	0.546	BLUE	I-76	0.937	0.750
CLWDS-500-12-1-134	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	1/2	0.562	1 to 1-3/4	3.000	2.250	5.982	1.535	0.546	BROWN	I-87	1.064	0.828
CLWDS-600-12-1-134	600kcmil	400 G,H,I,K,M FLEX 444.4 DLO	600kcmil - 250kcmil	1/2	0.562	1 to 1-3/4	3.000	2.687	6.496	1.712	0.546	GREEN	I-94	1.187	0.920
CLWDS-650-12-1-134	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	1/2	0.562	1 to 1-3/4	3.000	2.687	6.556	1.764	0.546	PINK	I-99	1.217	0.958
CLWDS-700-12-1-134	700kcmil	500 G,H,I & K,M FLEX 535.3 DLO	700kcmil - 350kcmil	1/2	0.991	1 to 1-3/4	3.000	2.687	6.556	1.816	0.546	PINK	I-99	1.250	0.991
CLWDS-750-12-1-134	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	1/2	0.562	1 to 1-3/4	3.000	2.875	6.777	1.901	0.546	BLACK	I-106	1.313	1.031
CLWDS-1000-12-1-134	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	1/2	0.562	1 to 1-3/4	3.000	3.000	7.025	2.169	0.546	WHITE	I-125	1.500	1.172

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) * When installed with specified dieless tools See pages 80 to 90 for complete tooling information.
For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg. Tested to UL 486A/B, UL File E6207

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SureCrimp® Copper Compression Lugs
Blank Tang, w/Sight Hole
Conductor Range: 1000kcmil - 6

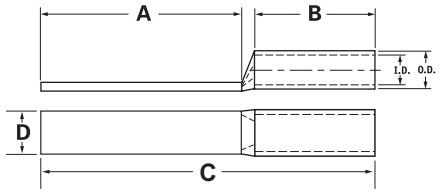
NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

A

TYPE
CLWU

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- UL467 Listed for grounding and bonding applications,
- #8-#2 solid, 500kcmil - 8 AWG
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- For direct bury 500 kcmil - 10 grounding and bonding

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements



Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Range	Dimensions A	B	C	D	Die Color Dode	Die Index	O.D.	I.D
CLWU-6	#6 AWG	#6 FLEX, #6 SOL	-	3.000	1.130	4.32	0.760	BLUE	I-24	0.312	0.225
CLWU-4	#4 AWG	#4 SOL	4-6 AWG	3.000	1.130	4.359	0.760	GRAY	I-29	0.343	0.250
CLWU-3	#3 AWG	#4 FLEX	3-6 AWG	3.000	1.130	4.38	0.750	WHITE	I-29	0.375	0.275
CLWU-2	#2 AWG	#2 SOL	2-6 AWG	3.000	1.130	4.411	0.740	BROWN	I-33	0.421	0.312
CLWU-1	#1 AWG	#2 FLEX	1-6 AWG	3.000	1.380	4.705	0.740	GREEN	I-37	0.468	0.359
CLWU-1/0	1/0 AWG	#1 FLEX	1/0-6 AWG	3.000	1.500	4.856	0.740	PINK	I-42	0.515	0.390
CLWU-2/0	2/0 AWG	1/0 FLEX	2/0-4 AWG	3.000	1.500	4.896	0.810	BLACK	I-45	0.562	0.437
CLWU-3/0	3/0 AWG	2/0 FLEX	3/0-2 AWG	3.000	1.500	4.939	0.890	ORANGE	I-50	0.609	0.484
CLWU-4/0	4/0 AWG	3/0 FLEX	4/0-1 AWG	3.000	1.500	4.991	1.000	PURPLE	I-54	0.687	0.546
CLWU-250	250kcmil	4/0 FLEX	250kcmil - 1/0 AWG	3.000	1.690	5.219	1.090	YELLOW	I-62	0.750	0.593
CLWU-300	300kcmil	250 G,H FLEX	300kcmil - 2/0 AWG	3.000	2.000	5.587	1.190	WHITE	I-66	0.812	0.660
CLWU-350	350kcmil	250 I,K,M FLEX 262.2 DLO	350kcmil - 3/0 AWG	3.000	2.000	5.623	1.290	RED	I-71	0.890	0.703
CLWU-400	400kcmil	300 G,H,I,K,M FLEX 313.1 DLO	400kcmil - 4/0 AWG	3.000	2.130	5.792	1.370	BLUE	I-76	0.937	0.750
CLWU-500	500kcmil	350 G,H,I,K,M FLEX 373.7 DLO	500kcmil - 250kcmil	3.000	2.250	5.982	1.530	BROWN	I-87	1.062	0.828
CLWU-600	600kcmil	400 G,H,I,K,M FLEX 444.4 DLO	600kcmil - 250kcmil	3.000	2.690	6.496	1.710	GREEN	I-94	1.187	0.920
CLWU-650	650kcmil	500 G,H,I,K,M FLEX 535.3 DLO	650kcmil - 350kcmil	3.000	2.690	6.559	1.760	PINK	I-99	1.217	0.958
CLWU-700	700kcmil	500 G,H,I & K,M FLEX 535.3 DLO	700kcmil - 350kcmil	3.000	2.690	6.556	1.820	PINK	I-99	1.250	0.991
CLWU-750	750kcmil	600 G,H,I,M FLEX 646.4 DLO	750kcmil - 500kcmil	3.000	2.880	6.777	1.900	BLACK	I-106	1.313	1.031
CLWU-1000	1000kcmil	750 G,H,I FLEX 777.7 DLO	1000kcmil - 750kcmil	3.000	3.000	7.025	2.170	WHITE	I-125	1.500	1.172

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) * When installed with specified dieless tools See pages 80 to 90 for complete tooling information.
For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg. Tested to UL 486A/B, UL File E6207

Copper Compression Lugs
Conductor Size #8

RoHS Compliant

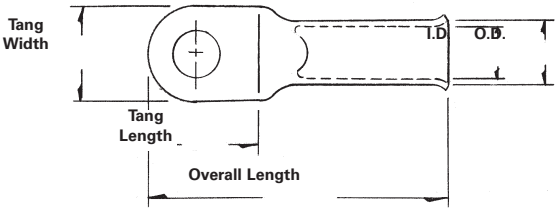
UL LISTED 453G

SA LR-29601

A TYPE **CCL**

Features
- Electro-tin plated
- Sight hole
- Solid seamless tang
- Electrolytic copper
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- For copper conductor only
- Rated to 90˚ C

Benefits
- Provides low contact resistance
- Visual inspection of proper cable insertion
- For performance and strength
- For high conductivity
- Application versatility



Catalog Number	Wire Size	Alt Wire Size	Bolt Size	Tang Length	Tang Width	Tang Thickness	Overall Length	Die Color Code	I.D.	O.D.
CCL-8-10	8 AWG	8 FLEX	#8-#10	0.579	0.445	0.071	1.201	RED	0.185	0.256
CCL-8-14	8 AWG	8 FLEX	1/4	0.579	0.445	0.071	1.201	RED	0.185	0.256
CCL-8-516	8 AWG	8 FLEX	5/16	0.724	0.598	0.059	1.276	RED	0.185	0.256
CCL-8-38	8 AWG	8 FLEX	3/8	0.724	0.598	0.059	1.276	RED	0.185	0.256
CCL-8-12	8 AWG	8 FLEX	1/2	0.858	0.752	0.059	1.480	RED	0.185	0.256

Tooling Information

	Standard Stranded Connector				
	ILSCO		Burndy	Thomas & Betts	
Catalog Number	MT-25 Hand Dieless No. of Crimps	ILC-10-N Die No. No. of Crimps	MY29-3 Hand Dieless No. of Crimps	TBM8	Color Code
CCL-8	(1)	(3)	(1)	(1)	Red

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG). Tested to UL 486A/B, UL File E6207

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Copper Compression Lugs
Conductor Size #6

RoHS Compliant

UL LISTED 453G

SA LR-29601

A

TYPE
CCL

Features
- Electro-tin plated
- Sight hole
- Solid seamless tang
- Electrolytic copper
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- For copper conductor only
- Rated to 90˚ C

Benefits
- Provides low contact resistance
- Visual inspection of proper cable insertion
- For performance and strength
- For high conductivity
- Application versatility
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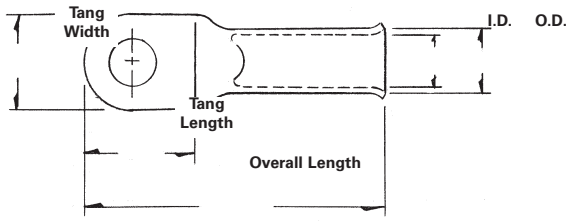

Catalog Number	Wire Size	Alt Wire Size	Bolt Size	Tang Length	Tang Width	Tang Thickness	Overall Length	Die Color Code	I.D.	O.D.
CCL-6-10	6 AWG	6 FLEX	#10	0.579	0.445	0.075	1.268	BLUE	0.232	0.299
CCL-6-14	6 AWG	6 FLEX	1/4	0.579	0.445	0.075	1.268	BLUE	0.232	0.299
CCL-6-516	6 AWG	6 FLEX	5/16	0.724	0.598	0.067	1.409	BLUE	0.232	0.299
CCL-6-38	6 AWG	6 FLEX	3/8	0.724	0.598	0.067	1.409	BLUE	0.232	0.299
CCL-6-12	6 AWG	6 FLEX	1/2	0.858	0.752	0.059	1.551	BLUE	0.232	0.299

Tooling Information

	Standard Stranded Connector				
	ILSCO		Burndy	Thomas & Betts	
Catalog Number	MT-25 Hand Dieless No. of Crimps	ILC-10-N Die No. No. of Crimps	MY29-3 Hand Dieless No. of Crimps	TBM8	Color Code
CCL-6	(1)	(2)	(1)	(1)	Blue

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG). Tested to UL 486A/B, UL File E6207

Copper Compression Lugs
Conductor Size #4

RoHS Compliant

UL LISTED 453G

SA LR-29601

A TYPE **CCL**

Features
- Electro-tin plated
- Sight hole
- Solid seamless tang
- Electrolytic copper
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- For copper conductor only
- Rated to 90˚ C

Benefits
- Provides low contact resistance
- Visual inspection of proper cable insertion
- For performance and strength
- For high conductivity
- Application versatility
-
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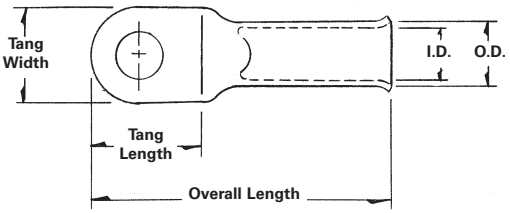

Catalog Number	Wire Size	Alt Wire Size	Bolt Size	Tang Length	Tang Width	Tang Thickness	Overall Length	Die Color Code	I.D.	O.D.
CCL-4-10	4 AWG	4 FLEX	#10	0.681	0.516	0.075	1.496	GRAY	0.283	0.362
CCL-4-14	4 AWG	4 FLEX	1/4	0.681	0.516	0.075	1.496	GRAY	0.283	0.362
CCL-4-516	4 AWG	4 FLEX	5/16	0.728	0.626	0.075	1.496	GRAY	0.283	0.362
CCL-4-38	4 AWG	4 FLEX	3/8	0.728	0.626	0.075	1.496	GRAY	0.283	0.362
CCL-4-12	4 AWG	4 FLEX	1/2	0.858	0.752	0.091	1.681	GRAY	0.283	0.362

Tooling Information

	Standard Stranded Connector				
	ILSCO		Burndy	Thomas & Betts	
Catalog Number	MT-25 Hand Dieless No. of Crimps	ILC-10-N Die No. No. of Crimps	MY29-3 Hand Dieless No. of Crimps	TBM8	Color Code
CCL-4	(1)	(2)	(1)	(2)	Grey

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG). Tested to UL 486A/B, UL File E6207

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Copper Compression Lugs
Conductor Range #1-#2

RoHS Compliant

UL LISTED 453G

CSA LR-29601

A

TYPE
CCL

Features
- Electro-tin plated
- Sight hole
- Solid seamless tang
- Electrolytic copper
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- For copper conductor only
- Rated to 90˚ C

Benefits
- Provides low contact resistance
- Visual inspection of proper cable insertion
- For performance and strength
- For high conductivity
- Application versatility
-
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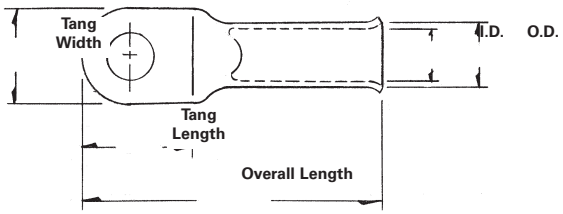


Catalog Number	Wire Size	Alt Wire Size	Bolt Size	Tang Length	Tang Width	Tang Thickness	Overall Length	Die Color Code	I.D.	O.D.
CCL-2-14	2 AWG	3 FLEX	1/4	0.728	0.598	0.094	1.606	BROWN	0.335	0.429
CCL-2-516	2 AWG	3 FLEX	5/16	0.728	0.598	0.094	1.606	BROWN	0.335	0.429
CCL-2-38	2 AWG	3 FLEX	3/8	0.728	0.598	0.094	1.606	BROWN	0.335	0.429
CCL-2-12	2 AWG	3 FLEX	1/2	0.858	0.752	0.102	1.752	BROWN	0.335	0.429
CCL-1-14	1 AWG	2 FLEX	1/4	0.858	0.650	0.098	1.720	GREEN	0.362	0.461
CCL-1-516	1 AWG	2 FLEX	5/16	0.858	0.650	0.098	1.720	GREEN	0.362	0.461
CCL-1-38	1 AWG	2 FLEX	3/8	0.858	0.650	0.098	1.720	GREEN	0.362	0.461
CCL-1-12	1 AWG	2 FLEX	1/2	0.858	0.752	0.102	1.831	GREEN	0.362	0.461

Tooling Information

	Standard Stranded Connector				
	ILSCO		Burndy	Thomas & Betts	
Catalog Number	MT-25 Hand Dieless No. of Crimps	ILC-10-N Die No. No. of Crimps	MY29-3 Hand Dieless No. of Crimps	TBM8	Color Code
CCL-2	(1)	(2)	(2)	(2)	Brown
CCL-1	(1)	(2)	(2)	(2)	Green

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG). Tested to UL 486A/B, UL File E6207

Copper Compression Lugs
Conductor Range 2/0-1/0

RoHS Compliant

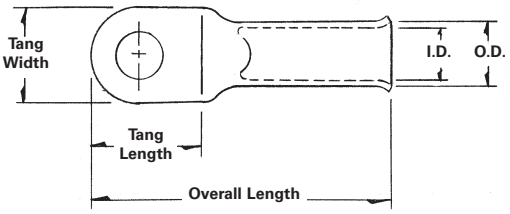
UL LISTED 453G

CSA LR-29601

A TYPE **CCL**

Features
- Electro-tin plated
- Sight hole
- Solid seamless tang
- Electrolytic copper
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- For copper conductor only
- Rated to 90˚ C

Benefits
- Provides low contact resistance
- Visual inspection of proper cable insertion
- For performance and strength
- For high conductivity
- Application versatility
-
-



Catalog Number	Wire Size	Alt Wire Size	Bolt Size	Tang Length	Tang Width	Tang Thickness	Overall Length	Die Color Code	I.D.	O.D.
CCL-1/0-14	1/0 AWG	1 FLEX	1/4	0.791	0.713	0.110	1.831	PINK	0.406	0.516
CCL-1/0-516	1/0 AWG	1 FLEX	5/16	0.791	0.713	0.110	1.831	PINK	0.406	0.516
CCL-1/0-38	1/0 AWG	1 FLEX	3/8	0.791	0.713	0.110	1.831	PINK	0.406	0.516
CCL-1/0-12	1/0 AWG	1 FLEX	1/2	0.890	0.815	0.110	1.902	PINK	0.406	0.516
CCL-2/0-14	2/0 AWG	1/0 FLEX	1/4	0.929	0.815	0.110	2.055	BLACK	0.461	0.571
CCL-2/0-516	2/0 AWG	1/0 FLEX	5/16	0.929	0.815	0.110	2.055	BLACK	0.461	0.571
CCL-2/0-38	2/0 AWG	1/0 FLEX	3/8	0.929	0.815	0.110	2.055	BLACK	0.461	0.571
CCL-2/0-12	2/0 AWG	1/0 FLEX	1/2	0.929	0.815	0.110	2.055	BLACK	0.461	0.571

Tooling Information

	Standard Stranded Connector				
	ILSCO		Burndy	Thomas & Betts	
Catalog Number	MT-25 Hand Dieless No. of Crimps	ILC-10-N Die No. No. of Crimps	MY29-3 Hand Dieless No. of Crimps	TBM8	Color Code
CCL-1/0	(1)	(2)	(2)	(2)	Pink
CCL-2/0	(1)	-	(2)	(2)	

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG). Tested to UL 486A/B, UL File E6207

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Copper Compression Lugs
Conductor Range 4/0-3/0

RoHS Compliant

UL LISTED 453G

SA LR-29601

A

TYPE
CCL

Features
- Electro-tin plated
- Sight hole
- Solid seamless tang
- Electrolytic copper
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- For copper conductor only
- Rated to 90° C

Benefits
- Provides low contact resistance
- Visual inspection of proper cable insertion
- For performance and strength
- For high conductivity
- Application versatility
-
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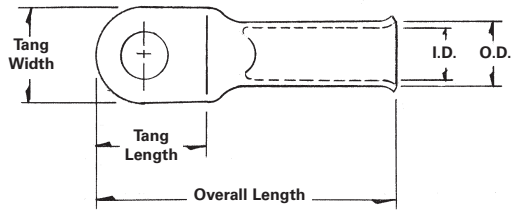

Catalog Number	Wire Size	Alt Wire Size	Bolt Size	Tang Length	Tang Width	Tang Thickness	Overall Length	Die Color Code	I.D.	O.D.
CCL-3/0-14	3/0 AWG	2/0 FLEX	1/4	0.969	0.894	0.118	2.161	ORANGE	0.512	0.630
CCL-3/0-516	3/0 AWG	2/0 FLEX	5/16	0.969	0.894	0.118	2.161	ORANGE	0.512	0.630
CCL-3/0-38	3/0 AWG	2/0 FLEX	3/8	0.969	0.894	0.118	2.161	ORANGE	0.512	0.630
CCL-3/0-12	3/0 AWG	2/0 FLEX	1/2	0.969	0.894	0.118	2.161	ORANGE	0.512	0.630
CCL-4/0-14	4/0 AWG	3/0 FLEX	1/4	1.071	1.035	0.130	2.382	PURPLE	0.591	0.720
CCL-4/0-516	4/0 AWG	3/0 FLEX	5/16	1.071	1.035	0.130	2.382	PURPLE	0.591	0.720
CCL-4/0-38	4/0 AWG	3/0 FLEX	3/8	1.071	1.035	0.130	2.382	PURPLE	0.591	0.720
CCL-4/0-12	4/0 AWG	3/0 FLEX	1/2	1.071	1.035	0.130	2.382	PURPLE	0.591	0.720

Tooling Information

	Standard Stranded Connector				
	ILSCO		Burndy	Thomas & Betts	
Catalog Number	MT-25 Hand Dieless No. of Crimps	ILC-10-N Die No. No. of Crimps	MY29-3 Hand Dieless No. of Crimps	TBM8	Color Code
CCL-3/0	(1)	-	(2)	(2)	
CCL-4/0	(2)	-	(2)	(2)	

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG). Tested to UL 486A/B, UL File E6207

Copper Mining Lugs
For copper conductor only

RoHS Compliant

UL LISTED 453G

CSA LR-29601

A TYPE **CRA**

Features
- Electro-tin plated
- Sight hole
- Solid seamless tang
- Electrolytic copper
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90˚ C

Benefits
- Provides low contact resistance
- Visual inspection of proper cable insertion
- For performance and strength
- For high conductivity
- Application versatility
-
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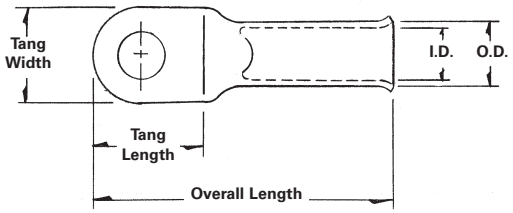

Catalog Number	Wire Size	Alt Wire Size	Bolt Size	Tang Length	Tang Width	Tang Thickness	Overall Length	Die Color Code	I.D.	O.D.
CRA-8-8/10M	8 FLEX	8 AWG	#8-#10	0.579	0.445	0.071	1.201	RED	0.185	0.256
CRA-8-14M	8 FLEX	8 AWG	1/4	0.579	0.445	0.071	1.201	RED	0.185	0.256
CRA-8-516M	8 FLEX	8 AWG	5/16	0.724	0.598	0.059	1.276	RED	0.185	0.256
CRA-8-38M	8 FLEX	8 AWG	3/8	0.724	0.598	0.059	1.276	RED	0.185	0.256
CRA-8-12M	8 FLEX	8 AWG	1/2	0.858	0.752	0.059	1.480	RED	0.185	0.256
CRA-6-10M	6 FLEX	6 AWG	#10	0.579	0.445	0.075	1.268	BLUE	0.232	0.299
CRA-6-14M	6 FLEX	6 AWG	1/4	0.579	0.445	0.075	1.268	BLUE	0.232	0.299
CRA-6-516-M	6 FLEX	6 AWG	5/16	0.724	0.598	0.067	1.409	BLUE	0.232	0.299
CRA-6-38M	6 FLEX	6 AWG	3/8	0.724	0.598	0.067	1.409	BLUE	0.232	0.299
CRA-6-12M	6 FLEX	6 AWG	1/2	0.858	0.752	0.059	1.551	BLUE	0.232	0.299
CRA-4-10M	4 FLEX	4 AWG	#10	0.681	0.516	0.075	1.496	GRAY	0.283	0.362
CRA-4-14M	4 FLEX	4 AWG	1/4	0.681	0.516	0.075	1.496	GRAY	0.283	0.362
CRA-4-516M	4 FLEX	4 AWG	5/16	0.728	0.626	0.075	1.496	GRAY	0.283	0.362
CRA-4-38M	4 FLEX	4 AWG	3/8	0.728	0.626	0.075	1.496	GRAY	0.283	0.362
CRA-4-12M	4 FLEX	4 AWG	1/2	0.858	0.752	0.091	1.681	GRAY	0.283	0.362
CRA-2-14M	2 FLEX	1 AWG	1/4	0.858	0.650	0.098	1.720	GREEN	0.362	0.461
CRA-2-516M	2 FLEX	1 AWG	5/16	0.858	0.650	0.098	1.720	GREEN	0.362	0.461
CRA-2-38M	2 FLEX	1 AWG	3/8	0.858	0.650	0.098	1.720	GREEN	0.362	0.461
CRA-2-12M	2 FLEX	1 AWG	1/2	0.858	0.752	0.102	1.831	GREEN	0.362	0.461

Tooling Information

		ILSCO	Burndy
Flex Size	AWG Size	MT-25 Hand Dieless (A) No. of Crimps	MY29-3 Hand Dieless (A) No. of Crimps
8	8	(1)	(1)
6	6	(1)	(1)
4	4	(1)	(1)
2	1	(1)	(2)
4/0	250 kcmil	(2)	(2)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG). Tested to UL 486A/B, UL File E6207

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Copper Mining Lugs
For copper conductor only

RoHS Compliant

UL LISTED 453G

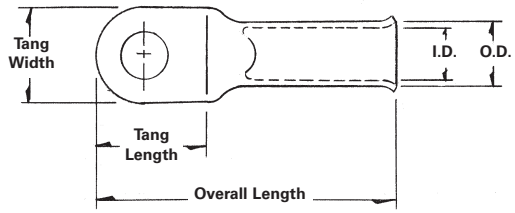
SA LR-29601

A

TYPE
CRA

Features
- Electro-tin plated
- Sight hole
- Solid seamless tang
- Electrolytic copper
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90˚ C

Benefits
- Provides low contact resistance
- Visual inspection of proper cable insertion
- For performance and strength
- For high conductivity
- Application versatility
-
-



Catalog Number	Wire Size	Alt Wire Size	Bolt Size	Tang Length	Tang Width	Tang Thickness	Overall Length	Die Color Code	I.D.	O.D.
CRA-1-14M	1 FLEX	1/0 AWG	1/4	0.791	0.713	0.110	1.831	PINK	0.406	0.51
CRA-1-516M	1 FLEX	1/0 AWG	5/16	0.791	0.713	0.110	1.831	PINK	0.406	0.516
CRA-1-38M	1 FLEX	1/0 AWG	3/8	0.791	0.713	0.110	1.831	PINK	0.406	0.516
CRA-1-12M	1 FLEX	1/0 AWG	1/2	0.890	0.815	0.110	1.902	PINK	0.406	0.516
CRA-1/0-14M	1/0 FLEX	2/0 AWG	1/4	0.929	0.815	0.110	2.055	BLACK	0.461	0.571
CRA-1/0-516M	1/0 FLEX	2/0 AWG	5/16	0.929	0.815	0.110	2.055	BLACK	0.461	0.571
CRA-1/0-38M	1/0 FLEX	2/0 AWG	3/8	0.929	0.815	0.110	2.055	BLACK	0.461	0.571
CRA-1/0-12M	1/0 FLEX	2/0 AWG	1/2	0.929	0.815	0.110	2.055	BLACK	0.461	0.571
CRA-2/0-14M	2/0 FLEX	3/0 AWG	1/4	0.969	0.894	0.118	2.161	ORANGE	0.512	0.630
CRA-2/0-516M	2/0 FLEX	3/0 AWG	5/16	0.969	0.894	0.118	2.161	ORANGE	0.512	0.630
CRA-2/0-38-M	2/0 FLEX	3/0 AWG	3/8	0.969	0.894	0.118	2.161	ORANGE	0.512	0.630
CRA-2/0-12M	2/0 FLEX	3/0 AWG	1/2	0.969	0.894	0.118	2.161	ORANGE	0.512	0.630
CRA-3/0-38M	3/0 FLEX	4/0 AWG	3/8	1.071	1.035	0.130	2.382	PURPLE	0.591	0.720
CRA-3/0-12M	3/0 FLEX	4/0 AWG	1/2	1.071	1.035	0.130	2.382	PURPLE	0.591	0.720
CRA-4/0-38M	4/0 FLEX	250 kcmil	3/8	1.228	1.201	0.130	2.614	YELLOW	0.685	0.815
CRA-4/0-12M	4/0 FLEX	250 kcmil	1/2	1.228	1.201	0.130	2.614	YELLOW	0.685	0.815

Tooling Information

		ILSCO	Burndy
Flex Size	AWG Size	MT-25 Hand Dieless (A) No. of Crimps	MY29-3 Hand Dieless (A) No. of Crimps
1	1/0	(1)	(2)
1/0	2/0	(1)	(2)
2/0	3/0	(1)	(2)
3/0	4/0	(2)	(2)
4/0	250 kcmil	(2)	(2)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG). Tested to UL 486A/B, UL File E6207

Copper Soldering Lugs
One Hole

RoHS Compliant

UL LISTED 453G

CSA LR-29601

A TYPE **Solder Lugs**

Features
- Manufactured from high strength copper tubing
- Seamless construction
- Clearly marked with wire size
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90˚ C

Benefits
- Provides maximum conductivity
- Won't leak solder
- Provides easy identification
- Application versatility
-
-

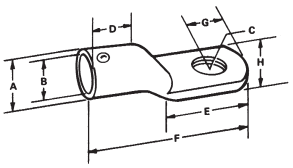


Fig. 1

Fig. 2

Catalog Number A	Figure Number	Wire Size	Dimensions								Amp Rating
			B	Bolt Size	C	D	E	F	G	H	
3/16	1	10	9/64	#8	11/64	11/32	15/32	15/16	3/16	1/4	25 Amp
1/4	1	8	3/16	#10	13/64	11/32	1/2	1-1/32	7/32	3/8	35 Amp
5/16	1	6	15/64	#10	13/64	13/32	19/32	1-7/32	1/4	7/16	50 Amp
3/8	1	4	9/32	1/4	9/32	7/16	11/16	1-3/8	9/32	17/32	70 Amp
7/16	1	2	11/32	1/4	9/32	1/2	3/4	1-1/2	11/32	5/8	90 Amp
1/2	1	1/0	25/64	5/16	11/32	9/16	13/16	1-3/4	13/32	3/4	125 Amp
9/16	1	2/0	15/32	3/8	13/32	11/16	15/16	2	7/16	13/16	150 Amp
5/8	1	3/0	33/64	3/8	13/32	25/32	1	2-1/8	1/2	29/32	175 Amp
11/16	1	4/0	9/16	3/8	13/32	27/32	1-5/32	2-3/8	17/32	31/32	225 Amp
13/16	1	250kcmil	43/64	3/8	13/32	31/32	1-1/4	2-21/32	5/8	1-3/16	250 Amp
1-1/8	2	600kcmil	61/64	3/8	13/32	1-1/2	2-1/4	4-7/16	1	1-5/8	450 Amp
1-5/16	2	800kcmil	1-3/32	1/2	17/32	1-13/16	2-1/2	5-1/16	1-1/8	1-15/16	550 Amp

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG). Tested to UL 486A/B, UL File E6207

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SureCrimp® Copper Compression Sleeves
Short Barrel
Conductor Range: 1000kcmil-#8

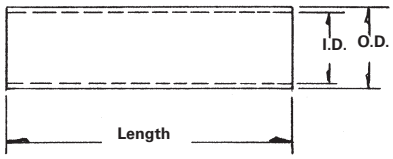
NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | SA LR-29601

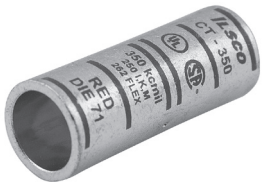
A

TYPE
CT

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications





Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Size	Barrel Length	Die Color Code	Die Index	Die Catalog Number	O.D.	I.D.
CT-8	8 AWG	#8 Flex, #8 Sol	-	1.125	Red	I-21	ILD-21	0.272	0.179
CT-6	6 AWG	#6 Flex, #6 Sol	-	1.750	Blue	I-24-1	ILD-24	0.320	0.225
CT-4	4 AWG	#4 Sol	4-6 AWG	1.750	Gray	I-29-1	ILD-29	0.343	0.250
CT-3	3 AWG	#4 Flex	3-6 AWG	1.750	White	I-29-1	ILD-29	0.375	0.275
CT-2	2 AWG	#2 Sol	2-6 AWG	1.875	Brown	I-33	ILD-33	0.421	0.312
CT-1	1 AWG	#2 Flex	1-6 AWG	1.875	Green	I-37	ILD-37	0.468	0.359
CT-1/0	1/0 AWG	#1 Flex	1/0-6 AWG	1.875	Pink	I-42	ILD-42	0.515	0.390
CT-2/0	2/0 AWG	1/0 Flex	2/0-4 AWG	2.000	Black	I-45	ILD-45	0.562	0.437
CT-3/0	3/0 AWG	2/0 Flex	3/0-2 AWG	2.125	Orange	I-50	ILD-50	0.609	0.484
CT-4/0	4/0 AWG	3/0 Flex	4/0-1 AWG	2.125	Purple	I-54	ILD-54	0.687	0.546
CT-250	250kcmil	4/0 Flex	250kcmil-1/0 AWG	2.250	Yellow	I-62	ILD-62	0.750	0.593
CT-300	300kcmil	250 G,H Flex	300kcmil-2/0 AWG	2.250	White	I-66	ILD-66	0.812	0.660
CT-350	350kcmil	250 I,K,M Flex 262.2 DLO	350kcmil-3/0 AWG	2.375	Red	I-71	ILD-71	0.890	0.703
CT-400	400kcmil	300 G,H,I,K,M Flex 313.1 DLO	400kcmil-4/0 AWG	2.500	Blue	I-76	ILD-76	0.937	0.750
CT-500	500kcmil	350 G,H,I,K,M Flex 373.7 DLO	500kcmil-250kcmil	2.875	Brown	I-87	ILD-87	1.062	0.828
CT-600	600kcmil	400 G,H,I,K,M Flex 444.4 DLO	600kcmil-250kcmil	2.875	Green	I-94	ILD-94	1.187	0.920
CT-650	650kcmil	500 G,H,I,K,M Flex 535.3 DLO	650kcmil-350kcmil	2.875	Pink	I-99	ILD-99	1.222	0.962
CT-700	700kcmil	500 G,H,I,K,M Flex 535.3 DLO	700kcmil-350kcmil	3.375	Pink	I-99	ILD-99	1.250	0.991
CT-750	750kcmil	600 G,H,I,M Flex 646.4 DLO	750kcmil-500kcmil	3.375	Black	I-106	ILD-106	1.313	1.031
CT-1000	1000kcmil	750 G,H,I Flex 777.7 DLO	1000kcmil-750kcmil	3.875	White	I-125	ILD-125	1.500	1.172

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* When installed with specified dieless tools
See pages 80 to 90 for complete tooling information.
Tested to UL 486A/B, UL File E6207

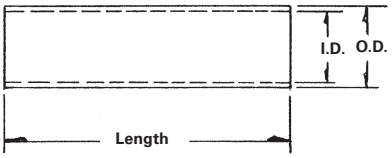
SureCrimp® Copper Compression Sleeves
Long Barrel
Conductor Range: 1000kcmil-#6

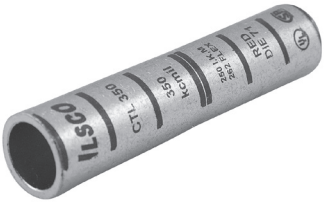
NEBS3 TESTED BY TELCORDIA | RoHS Compliant | UL LISTED 453G | CSA LR-29601

A TYPE **CTL**

Features
- Manufactured from high strength seamless copper tubing
- Electro-Tin plated
- Chamfered entry
- Color coded
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL Listed and CSA Certified with ILSCO and major competitor's compression tools
- UL467 Listed 500 kcmil - 8 AWG , #8 - #2 SOL
- For direct bury 500 kcmil - 10 grounding and bonding
- Rated to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- Application versatility
- Reduces inventory requirements
- For grounding and bonding applications





Catalog Number	Wire Size	Alt Wire Size	Expanded* Wire Size	Barrel Length	Die Color Code	Die Index	Die Catalog Number	O.D.	I.D.
CTL-8	8 AWG	#8 Flex, #8 Sol	-	1.75	Red	I-21	ILD-21	0.272	0.179
CTL-6	6 AWG	#6 Flex, #6 Sol	-	2.375	Blue	I-24	ILD-24-1	0.320	0.225
CTL-4	4 AWG	#4 Sol	4-6 AWG	2.375	Gray	I-29	ILD-29-1	0.343	0.250
CTL-3	3 AWG	#4 Flex	3-6 AWG	2.375	White	I-29	ILD-29-1	0.375	0.275
CTL-2	2 AWG	#2 Sol	2-6 AWG	2.625	Brown	I-33	ILD-33	0.421	0.312
CTL-1	1 AWG	#2 Flex	1-6 AWG	2.875	Green	I-37	ILD-37	0.468	0.359
CTL-1/0	1/0 AWG	#1 Flex	1/0-6 AWG	2.875	Pink	I-42	ILD-42	0.515	0.390
CTL-2/0	2/0 AWG	1/0 Flex	2/0-4 AWG	3.125	Black	I-45	ILD-45	0.562	0.437
CTL-3/0	3/0 AWG	2/0 Flex	3/0-2 AWG	3.125	Orange	I-50	ILD-50	0.609	0.484
CTL-4/0	4/0 AWG	3/0 Flex	4/0-1 AWG	3.375	Purple	I-54	ILD-54	0.687	0.546
CTL-250	250kcmil	4/0 Flex	250kcmil-1/0 AWG	3.375	Yellow	I-62	ILD-62	0.750	0.593
CTL-300	300kcmil	250 G,H Flex	300kcmil-2/0 AWG	4.125	White	I-66	ILD-66	0.812	0.660
CTL-350	350kcmil	250 I,K,M Flex 262.2 DLO	350kcmil-3/0 AWG	4.125	Red	I-71	ILD-71	0.890	0.703
CTL-400	400kcmil	300 G,H,I,K,M Flex 313.1 DLO	400kcmil-4/0 AWG	4.375	Blue	I-76	ILD-76	0.937	0.750
CTL-500	500kcmil	350 G,H,I,K,M Flex 373.7 DLO	500kcmil-250kcmil	4.625	Brown	I-87	ILD-87	1.062	0.828
CTL-600	600kcmil	400 G,H,I,K,M Flex 444.4 DLO	600kcmil-250kcmil	4.625	Green	I-94	ILD-94	1.187	0.920
CTL-650	650kcmil	500 G,H,I,K,M Flex 535.3 DLO	650kcmil-350kcmil	4.625	Pink	I-99	ILD-99	1.222	0.962
CTL-700	700kcmil	500 G,H,I,K,M Flex 535.3 DLO	700kcmil-350kcmil	5.875	Pink	I-99	ILD-99	1.250	0.991
CTL-750	750kcmil	600 G,H,I,M Flex 646.4 DLO	750kcmil-500kcmil	5.875	Black	I-106	ILD-106	1.313	1.031
CTL-1000	1000kcmil	750 G,H,I Flex 777.7 DLO	1000kcmil-750kcmil	6.125	White	I-125	ILD-125	1.500	1.172

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) * When installed with specified dieless tools See pages 80 to 90 for complete tooling information.
For Bent Tangs change the 4th letter to a B and add "-4" for 45 deg. or "-9" for 90 deg. Tested to UL 486A/B, UL File E6207

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Copper Compression Sleeves
Light Duty

RoHS Compliant

UL LISTED 8M24

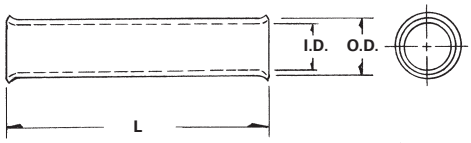
SA AP-100973-1

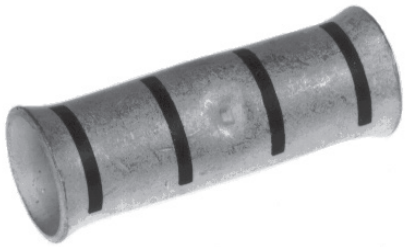
A

TYPE
CCS

Features
- Manufactured from high strength copper
- Electro-tin plated
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Color coded
- Sight hole
- Flared end
- Rated to 90˚ C

Benefits
- Provides maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- Application versatility
- Provides visual tooling recommendation for Ilsco or standard industry tools
- Allows visual inspection
- Easy wire insertion





Catalog Number	Wire Size	Die Color Guide	L	O.D.	I.D.
CCS-6	6	Blue	1-1/16	5/16	15/64
CCS-4	4	Grey	1-13/64	23/64	9/32
CCS-2	2	Brown	1-23/64	7/16	21/64
CCS-1	1	Green	1-23/64	15/32	23/64
CCS-1/0	1/0	Pink	1-35/64	33/64	13/32
CCS-2/0	2/0	Black	1-51/64	37/64	15/32
CCS-3/0	3/0	Orange	1-29/32	5/8	33/64
CCS-4/0	4/0	Purple	2	11/16	9/16

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

Compression Grounding
Copper C Crimps

RoHS Compliant

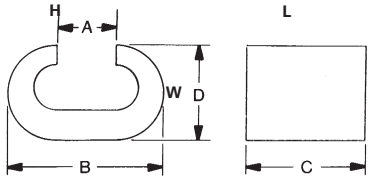
UL LISTED 453G

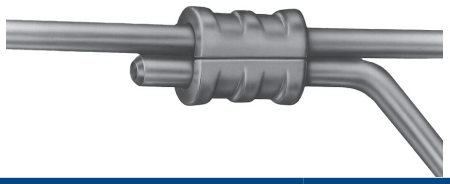
SA LR-29601

A TYPE **ULT**

Features
- Manufactured from high conductivity copper alloy
- Clearly marked with wire size and die index
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90˚ C
- UL Listed and CSA Certified for grounding, bonding and power

Benefits
- Provides maximum conductivity and eliminates the possibility of corrosion
- Provides easy identification and tooling recommendation
- Reduces inventory
- Application versatility
- Direct Burial in earth or concrete





Catalog Number	Copper Wire Range		Die Index	Dimensions - in. (mm)		
	Main	Tap		L	W	H
ULT-1-Z	10str-12sol	10str-12sol	238	.366 (9.3)	.279 (7.1)	.320 (8.1)
ULT-2-Z	8str-8sol	8str-10sol	162	.486 (12.3)	.353 (9.0)	.500 (12.7)
ULT-3-Z	4str-6sol	8str-8sol	BG or 5/8	.735 (18.7)	.470 (11.9)	.615 (15.6)
ULT-4-Z	4str-6sol	6str-6sol	BG or 5/8	.765 (19.4)	.460 (11.7)	.700 (17.8)
ULT-5-Z	4str-6sol	4str-4sol	BG or 5/8	.830 (21.1)	.470 (11.9)	.700 (17.8)
ULT-6-Z	2str-2sol	4str-8sol	C	.990 (25.1)	.614 (15.6)	.830 (21.1)
ULT-7-Z	2str-2sol	2str-2sol	C	1.047 (26.6)	.614 (15.6)	.826 (21.0)
ULT-8-Z	2/0str-1/0sol	2str-8sol	O	1.350 (34.3)	.812 (20.6)	.925 (23.5)
ULT-9-Z	2/0str-1/0sol	2/0str-1/0sol	O	1.350 (34.3)	.812 (20.6)	.925 (23.5)
ULT-10-Z	4/0str-3/0sol	2str-6sol	D3	1.628 (41.4)	1.000 (25.4)	1.075 (27.3)
ULT-11-Z	4/0str-3/0sol	2/0str-1/0sol	D3	1.628 (41.4)	1.000 (25.4)	1.075 (27.3)
ULT-12-Z	4/0str-3/0str	4/0str-3/0str	D3	1.610 (40.9)	1.000 (25.4)	1.200 (30.5)

Tooling Information

Catalog Number	ILSCO	Burndy
	ILC-12-N, TB-12U1000-P TM-12U1000, TR-12U1000 Die (No. of Crimps)	Y35, Y39, Y750 Series Y46/ PAT46, PAT 750 Series Die (No of Crimps)
ULT-1-Z	238 (1)	238 (1)
ULT-2-Z	162 (1)	162 (1)
ULT-3-Z	BG or 5/8 (1)	BG or 5/8 (1)
ULT-4-Z	BG or 5/8 (1)	BG or 5/8 (1)
ULT-5-Z	BG or 5/8 (1)	BG or 5/8 (1)
ULT-6-Z	C (1)	C (1)
ULT-7-Z	C (1)	C (1)
ULT-8-Z	O (1)	O (1)
ULT-9-Z	O (1)	O (1)
ULT-10-Z	D3 (1)	D3 (1)
ULT-11-Z	D3 (1)	D3 (1)
ULT-12-Z	D3 (1)	D3 (1)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207 Tested to UL 467, UL File E34440

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Compression Grounding
Copper H-Tap

TYPE
CST
CDT

Features
- Made of high conductivity copper
- Metal barrier separates conductor
- Generous chamfer
- UL Listed for grounding and bonding
- UL 467 Listed
- UL 486A/B Listed

Benefits
- Provides maximum conductivity
- Eliminating strand cutting
- Protects cable
- Direct burial in earth or concrete
-
-

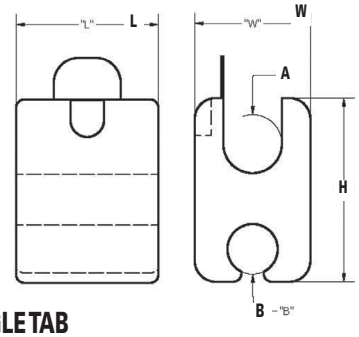
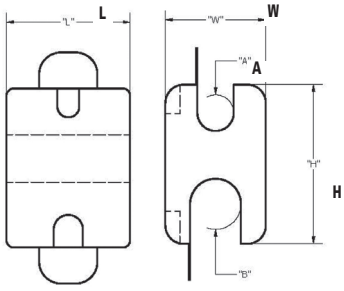


Fig. 1

Fig. 2



SINGLE TAB

Catalog Number	Figure Number	Side A Main	Wire Diameter Range in. (mm)	Side B Tap	Wire Diameter Range in. (mm)	Dimensions - in. (mm) W	H	L
CST-301	1	6sol., 6str., 4sol.	.162-.204 (4.1 - 5.2)	8sol., 8str., 6sol., 6str., 4sol.	.128-.204 (3.3 - 5.2)	.469 (11.9)	.734 (18.6)	.812 (20.6)
CST-302	1	4sol., 4str., 2sol.	.204-.258 (5.2 - 6.6)	6sol., 6str., 4sol., 4str., 2sol.	.162-.258 (4.1 - 6.6)	.547 (13.9)	.823 (20.9)	.812 (20.6)

DOUBLE TAB

Catalog Number	Figure Number	Side A Main	Wire Diameter Range in. (mm)	Side B Tap	Wire Diameter Range in. (mm)	Dimensions - in. (mm) W	H	L
CDT-399-8	2	6sol., 6str., 4sol.	.162-.204 (4.1 - 5.2)	8sol., 6str., 4sol.	.128-.204 (3.3 - 5.2)	.484 (12.3)	.750 (19.1)	.812 (20.6)
CDT-398-8	2	4sol., 4str., 2sol.	.204-.258 (5.2 - 6.6)	4sol., 4str., 2sol.	.204-.258 (5.2 - 6.6)	.547 (13.9)	.797 (20.2)	.812 (20.6)
CDT-304-8	2	2str., 1str., 1/0str.	.292-.375 (7.4 - 9.5)	6sol., 4sol., 4str., 2sol.	.162-.258 (4.1 - 6.6)	.641 (16.3)	1.120 (28.4)	.859 (21.8)
CDT-303-8	2	2str., 1str., 1/0str.	.292-.375 (7.4 - 9.5)	2str., 1str., 1/0str.	.292-.375 (7.4 - 9.5)	.719 (18.3)	1.120 (28.4)	.828 (21.0)
CDT-308-8	2	2/0str., 4/0str.	.419-.528 (10.6 - 13.4)	2str., 1str., 1/0str.	.292-.375 (7.4 - 9.5)	.906 (23.0)	1.406 (35.7)	1.062 (27.0)
CDT-307-8	2	2/0str., 4/0str.	.419-.528 (10.6 - 13.4)	2/0str., 4/0str.	.419-.528 (10.6 - 13.4)	.906 (23.0)	1.375 (34.9)	1.062 (27.0)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tooling Information

Catalog Number	Burndy: Y35, Y35-2, BAT35, BAT35C, Y35BH, Y35BH-4, Y35L, Y39, Y38BH, Y750, Y750-2, BAT750, BAT750C, Y750BH, Y46, YA46C (No. of Crimps)	Burndy: MD-6 Die (No. of Crimps)	Kearney: WH-1, WH-2 Die (No. of Crimps)	Kearney: O-52 Die (No. of Crimps)
CST-301	U-BG (1); U-243 (1)	W-BG (1)	B-K-T (1)	T (1)
CST-302	U-BG (1); U-243 (1)	W-KK (1)	B-K-T (1)	K (1)
CDT-399-8	U-BG (1); U-243 (1)	W-BG (1)	B-K-T (1)	T (1)
CDT-398-8	U-BG (1); U-243 (1)	W-KK (1)	B-K-T (1)	K (1)
CDT-304-8	U-O (1)	-	O (1)	-
CDT-303-8	U-O (1)	-	O (1)	-
CDT-308-8	U-D3 (1)	-	D (1)	-
CDT-307-8	U-D3 (1)	-	D (1)	-

Copper C-Tap Thin Wall

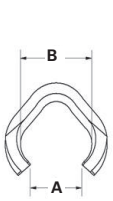
RoHS Compliant

c UL us LISTED E6207

A TYPE **TWCT**

Features
- Manufactured from high conductivity copper
- Marked with wire size, die index and part number
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL and CUL Listed for grounding, bonding and power
- Bright dip finish

Benefits
- Provides maximum conductivity and low contact resistance
- Clear and easy identification
- Reduces stocking inventory
- Application versatility
- Direct burial in earth or concrete
- Resist corrosion and oxidization



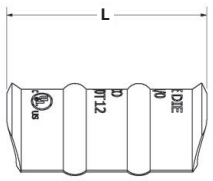


Fig. 1

Fig. 2

Fig. 3

Catalog Number	Figure Number	Accomodates		Dimensions			Die Color Guide
		Run	Tap	A	B	L	
TWCTR10T16	1	14	16-14	0.130 (3.3)	0.190 (4.8)	0.420 (10.7)	Red
		12	16-14				
		10	14				
TWCTR8T12	1	10	10	0.155 (3.9)	0.250 (6.4)	0.620 (15.7)	Blue
		8	12				
TWCTR6T12	1	8	10-8	0.235 (6.0)	0.325 (8.3)	0.620 (15.7)	Gray
		6	12-10				
TWCTR4T12	2	6	8-6	0.235 (6.0)	0.405 (10.3)	1.210 (30.7)	Brown
		5,4	12-8				
TWCTR3T12	2	5,4	6-5	0.260 (6.6)	0.487 (12.4)	1.206 (30.6)	Green
		3	12-6				
TWCTR2T12	2	4	4	0.297 (7.5)	0515 (13.1	1.210 (30.7)	Pink
		3	5				
		2	12-6				
TWCTR1T12	3	3	4-3	0.339 (8.6)	0.568 (14.4)	1.750 (44.5)	Black
		2	5-4				
		1	12-5				
TWCTR1/0T12	3	2str. 2sol.	2str. 2sol. 3str. 3sol.	0.375 (9.5)	0.645 (16.4)	1.750 (44.5)	Orange
		1str. 1sol.	4str. 4sol. 3str. 3sol.				
		1/0str. 1/0sol.	12str. 12sol. 4str. 4sol.				
TWCTR2/0T12	3	1	2-1	0.420 (10.7)	0.755 (19.2)	1.750 (44.5)	Purple
		1/0	3-2				
		2/0	12-3				
TWCTR3/0T12	3	1/0	1-1/0	0.470 (11.9)	0.830 (21.1)	1.750 (44.5)	Yellow
		2/0	2-1				
		3/0	12-2				

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207 Tested to UL 467, UL File E6207
Tin plated versions can be made available. Contact Customer Care for price and availability

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Information Sheet

Compression Grounding Copper C-Tap Thin Wall for Copper conductors

Suitable for Direct Burial in Earth or Concrete

Tooling Information				Installation Tooling												
				ILSCO Tools			UTILCO Tools		Burndy Tools			Thomas & Betts Tools		Panduit Tools		
				Mechanical	Hydraulic		Hydraulic		Mechanical	Hydraulic		Mechanical		Mechanical		
				Hand Tool	6 Ton W-die Hydraulic		6 Ton W-die Hydraulic		Hand Tool	6 Ton W-die Hydraulic	10-14 Ton U-die Hydraulic	Hand Tool	High Leverage Hand Tool	Hand Tool	6 Ton W-die Hydraulic	
Connnector / Wire Combinations (Cu only)				ILC-10N	TB-6WBG500 series, TB-6WD3500 series, TB-6WO500 series		BLL-WBG series, BLL-WD3 series, BLL-WO series		Y1MR, Y1MR-TC	Y500CT series, PAT600 series, PATMD6 series	Y35 series, Y39 series, Y750 series, Y45, Y46	TBM25S, TBM45S, TBM21E, TBM41E	TBM5/5S, TBM6/6S, TBM8/8S	CT-1700	CT-2001, CT-2002	
Catalog Number	Accommodates Run	Accommodates Tap	Color Code	Die No. Index # (# crimps)	ILSCO Die No. Index # (# crimps)	Burndy Die No. Index # (# crimps)	ILSCO Die No. Index # (# crimps)	Burndy Die No. Index # (# crimps)	Die Color Index # (# crimps)	Die No. Index # (# crimps)	Die No. Index # (# crimps)	Die No. Index # (# crimps)	Die Color (# crimps)	Die Color Index # (# crimps)	Die Color / Index # (# crimps)	Die No. Die Color & No. (# crimps)	Wire Strip Length
TWCTR10T16	14 Str	16 Str - 14 Str	Red		ILD-W21 21 (1)	W8CVT 49 (1)	ILD-W21 21 (1)	W8CVT 49 (1)		W8CVT 49 (1)				Red Nest 21 (1)		CD-2001-8 Red P21 (1)	1"
	12 Str	16 Str - 14 Str															
	10 Str	14 Str															
TWCTR8T12	10 Str	10 Str	Blue	SP 1267-01 Blue (1)	ILD-W24 24 (1)	W5CVT 7 (1)	ILD-W24 24 (1)	W5CVT 7 (1)	Blue 7 (1)	W5CVT 7 (1)		Blue Nest (1)	Blue Nest 24 (1)	Blue P24 (1)	CD-2001-6 Blue P24 (1)	1-1/8"
	8 Str	12 Str														
TWCTR6T12	8 Str	10 Str - 8 Str	Gray	SP 1267-01 Gray (2)	ILD-W29 29 (1)	W4CVT 8 (1)	ILD-W29 29 (1)	W4CVT 8 (1)	Gray 8 (2)	W4CVT 8 (1)		Gray Nest (2)	Gray Nest 29 (2)	Gray P29 (2)	CD-2001-4 Gray P29 (1)	1-1/8"
	6 Str	12 Str - 10 Str														
TWCTR4T12	6 Str	8 Str - 6 Str	Brown		ILD-W33 33 (1)	W2CVT 10 (2)	ILD-W33 33 (1)	W2CVT 10 (2)		W2CVT 10 (2)	WC4 10M (1)	UC4 10M (1)		Brown Nest 33 (2)	Brown P33 (2)	CD-2001-2 Brown P33 (2)	1-3/4"
	5 Str - 4 Str	12 Str - 8 Str															
TWCTR3T12	5 Str - 4 Str	6 Str - 5 Str	Green		ILD-W37 37 (1)	W1CVT 11 (2)	ILD-W37 37 (1)	W1CVT 11 (2)		W1CVT 11 (2)				Green Nest 37 (2)		CD-2001-1 Green P37 (2)	1-3/4"
	3 Str	12 Str - 6 Str															
TWCTR2T12	4 Str	4 Str	Pink		ILD-W42 42 (1)	W25VT 12 (2)	ILD-W42 42 (1)	W25VT 12 (2)		W25VT 12 (2)	WC2 12M (1)	UC2 12M (1)		Pink Nest 42 (2)		CD-2001-1/0 Pink P42 (2)	1-3/4"
	3 Str	5 Str															
	2 Str	12 Str - 6 Str															
TWCTR1T12	3 Str	4 Str - 3 Str	Black		ILD-W45 45 (1)	W26VT 13 (3)	ILD-W45 45 (1)	W26VT 13 (3)		W26VT 13 (3)	WC1 13M (2)	UC1 13M (1)		Black Nest 45 (3)		CD-2001-2/0 Black P45 (3)	2-1/4"
	2 Str	5 Str - 4 Str															
	1 Str	12 Str - 5 Str															
TWCTR1/0T12	2 Str/Sol	2 Str/Sol - 3 Str/Sol	Orange		ILD-W50 50 (1)	W27VT 14 (3)	ILD-W50 50 (1)	W27VT 14 (3)		W27VT 14 (3)	WC25 14M (2)	UC25 14M (1)		Orange Nest 50 (3)		CD-2001-3/0 Orange P50 (3)	2-1/4"
	1 Str/Sol	4 Str/Sol - 3 Str/Sol															
	1/0 Str/Sol	12 Str/Sol - 4 Str/Sol															
TWCTR2/0T12	1 Str	2 Str - 1 Str	Purple		ILD-W54 54 (1)	W28VT 15 (3)	ILD-W54 54 (1)	W28VT 15 (3)		W28VT 15 (3)		UC26 15 (1)		Purple Nest 54 (3)		CD-2001-4/0 Purple P54 (3)	2-1/4"
	1/0 Str	3 Str - 2 Str															
	2/0 Str	12 Str - 3 Str															
TWCTR3/0T12	1/0 Str	1 Str - 1/0 Str	Yellow		ILD-W62 62 (1)	W29VT 16 (3)	ILD-W62 62 (1)	W29VT 16 (3)		W29VT 16 (3)						CD-2001-250 Yellow P62 (3)	2-1/4"
	2/0 Str	2 Str - 1 Str															
	3/0 Str	12 Str - 2 Str															

Notes:
1. The TWCT series are designed to connect two copper ground conductors
2. The TWCT series are suitable for direct burial

SureCrimp® Aluminum Compression Lugs Long Barrel - Standard Tang - Dual Rated, Conductor Range: 4/0 - #8

RoHS Compliant

UL LISTED 453G

SA LR-29601

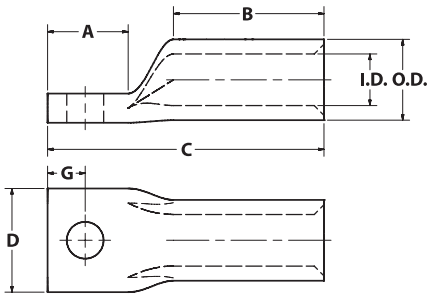
A TYPE **ALNS**

Features

- Manufactured from high strength aluminum alloy
- Electro-Tin plated
- Chamfered entry
- Color coded end cap
- Ink marked
- Pre-filled with DE-OX® oxide inhibiting compound
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Dual rated AL9CU to 90˚C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper conductor size
- For easy identification and proper location of crimps
- Prevents oxides from forming & promotes connector longevity
- Permits inventories to be kept to a minimum
- Application versatility
- For use with aluminum or copper conductor



Catalog Number	Wire Size	Expanded Wire Size*	Bolt Size	Stud Hole Dia.	Dimensions					O.D.	I.D.	Die Color Code	Die Index
					A	B	C	D	G				
ALNS-8-10	#8 AWG	-	#10	0.219 (5.6)	0.661 (16.8)	0.602 (15.3)	1.470 (37.3)	0.388 (9.9)	0.259 (6.6)	0.300 (7.6)	0.155 (3.9)	Blue	374
ALNS-6-14	#6 AWG	-	1/4	0.281 (7.1)	0.895 (22.7)	0.602 (15.3)	1.860 (47.2)	0.449 (11.4)	0.321 (8.1)	0.338 (8.6)	0.194 (4.9)	Gray	346
ALNS-4-14	#4 AWG	4-6 AWG	1/4	0.281 (7.1)	1.029 (26.1)	0.920 (23.4)	2.170 (55.1)	0.568 (14.4)	0.321 (8.1)	0.427 (10.8)	0.247 (6.3)	Green	375
ALNS-4-516	#4 AWG	4-6 AWG	5/16	0.343 (8.7)	0.937 (23.8)	0.920 (23.4)	2.170 (55.1)	0.568 (14.4)	0.353 (9.0)	0.427 (10.8)	0.247 (6.3)	Green	375
ALNS-2-14	#2 AWG	2-6 AWG	1/4	0.281 (7.1)	0.990 (25.1)	0.970 (24.6)	2.240 (56.9)	0.700 (17.8)	0.321 (8.1)	0.525 (13.3)	0.307 (7.8)	Pink	348
ALNS-2-516	#2 AWG	2-6 AWG	5/16	0.343 (8.7)	1.058 (26.9)	0.970 (24.6)	2.240 (56.9)	0.700 (17.8)	0.442 (11.2)	0.525 (13.3)	0.307 (7.8)	Pink	348
ALNS-2-38	#2 AWG	2-6 AWG	3/8	0.406 (10.3)	0.940 (23.9)	0.970 (24.6)	2.240 (56.9)	0.700 (17.8)	0.414 (10.5)	0.525 (13.3)	0.307 (7.8)	Pink	348
ALNS-1-14	#1 AWG	1-2 AWG	1/4	0.281 (7.1)	0.996 (25.3)	0.970 (24.6)	2.290 (58.2)	0.748 (19.0)	0.321 (8.1)	0.544 (13.8)	0.358 (9.1)	Gold	471
ALNS-1-516	#1 AWG	1-2 AWG	5/16	0.343 (8.7)	0.937 (23.8)	0.970 (24.6)	2.175 (55.2)	0.748 (19.0)	0.353 (9.0)	0.544 (13.8)	0.358 (9.1)	Gold	471
ALNS-1-38	#1 AWG	1-2 AWG	3/8	0.406 (10.3)	0.939 (23.9)	0.970 (24.6)	2.290 (58.2)	0.748 (19.0)	0.414 (10.5)	0.544 (13.8)	0.358 (9.1)	Gold	471
ALNS-1/0-516	1/0 AWG	1/0-1 AWG	5/16	0.343 (8.7)	0.937 (23.8)	1.070 (27.2)	2.301 (58.4)	0.819 (20.8)	0.353 (9.0)	0.599 (15.2)	0.385 (9.8)	Tan	296
ALNS-1/0-38	1/0 AWG	1/0-1 AWG	3/8	0.406 (10.3)	0.937 (23.8)	1.070 (27.2)	2.460 (62.5)	0.819 (20.8)	0.414 (10.5)	0.599 (15.2)	0.385 (9.8)	Tan	296
ALNS-1/0-12	1/0 AWG	1/0-1 AWG	1/2	0.562 (14.3)	1.292 (32.8)	1.070 (27.2)	2.820 (71.6)	0.819 (20.8)	0.546 (13.9)	0.599 (15.2)	0.385 (9.8)	Tan	296
ALNS-2/0-38	2/0 AWG	2/0-1 AWG	3/8	0.406 (10.3)	0.925 (23.5)	1.355 (34.4)	2.910 (73.9)	0.921 (23.4)	0.414 (10.5)	0.674 (17.1)	0.432 (11.0)	Olive	297
ALNS-2/0-12	2/0 AWG	2/0-1 AWG	1/2	0.562 (14.3)	1.283 (32.6)	1.355 (34.4)	3.285 (83.4)	0.921 (23.4)	0.546 (13.9)	0.674 (17.1)	0.432 (11.0)	Olive	297
ALNS-3/0-38	3/0 AWG	3/0-1 AWG	3/8	0.406 (10.3)	0.900 (22.9)	1.355 (34.4)	2.950 (74.9)	1.044 (26.5)	0.414 (10.5)	0.761 (19.3)	0.495 (12.6)	Ruby	467
ALNS-3/0-12	3/0 AWG	3/0-1 AWG	1/2	0.562 (14.3)	1.280 (32.5)	1.355 (34.4)	3.310 (84.1)	1.044 (26.5)	0.546 (13.9)	0.761 (19.3)	0.495 (12.6)	Ruby	467
ALNS-4/0-38	4/0 AWG	4/0-1 AWG	3/8	0.406 (10.3)	0.935 (23.7)	1.535 (39.0)	3.090 (78.5)	1.170 (29.7)	0.414 (10.5)	0.854 (21.7)	0.553 (14.0)	White	298
ALNS-4/0-12	4/0 AWG	4/0-1 AWG	1/2	0.562 (14.3)	1.145 (29.1)	1.535 (39.0)	4.177 (106.1)	1.170 (29.7)	0.546 (13.9)	0.854 (21.7)	0.553 (14.0)	White	298

For Tool and Die Information Refer to Tooling Information Page Series: ALNS, ALND, ALNN, ASN

* When installed with specified dieless tools Tested to UL 486A/B, UL File E6207

4730 Madison Road, Cincinnati OH 45227-1426 | PH: 513.533.6200 | FAX: 513.871.4084 | www.ilsco.com
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SureCrimp® Aluminum Compression Lugs
Long Barrel - Standard Tang - Dual Rated, Conductor Range: 1000kcmil - 250kcmil

RoHS Compliant

UL LISTED 453G

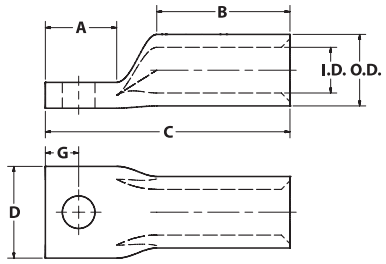
SA LR-29601

A

TYPE
ALNS

Features
- Manufactured from high strength aluminum alloy
- Electro-Tin plated
- Chamfered entry
- Color coded end cap
- Ink marked
- Pre-filled with DE-OX® oxide inhibiting compound
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Dual rated AL9CU to 90˚C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper conductor size
- For easy identification and proper location of crimps
- Prevents oxides from forming & promotes connector longevity
- Permits inventories to be kept to a minimum
- Application versatility
- For use with aluminum or copper conductor



Catalog Number	Wire Size	Expanded Wire Size*	Bolt Size	Stud Hole Dia.	Dimensions					O.D.	I.D.	Die Color Code	Die Index
					A	B	C	D	G				
ALNS-250-38	250kcmil	250kcmil - 1/0 AWG	3/8	0.406 (10.3)	0.875 (22.2)	1.535 (39.0)	3.200 (81.3)	1.264 (32.1)	0.414 (10.5)	0.924 (23.5)	0.595 (15.1)	Red	324
ALNS-250-12	250kcmil	250kcmil - 1/0 AWG	1/2	0.562 (14.3)	0.875 (22.2)	1.535 (39.0)	3.316 (84.2)	1.264 (32.1)	0.546 (13.9)	0.924 (23.5)	0.595 (15.1)	Red	324
ALNS-300-38	300kcmil	300kcmil - 2/0 AWG	3/8	0.406 (10.3)	0.905 (23.0)	1.535 (39.0)	3.296 (83.7)	1.381 (35.1)	0.414 (10.5)	1.010 (25.7)	0.650 (16.5)	Blue	470
ALNS-300-12	300kcmil	300kcmil - 2/0 AWG	1/2	0.562 (14.3)	1.295 (32.9)	1.535 (39.0)	3.690 (93.7)	1.381 (35.1)	0.546 (13.9)	1.010 (25.7)	0.650 (16.5)	Blue	470
ALNS-350-12	350kcmil	350kcmil - 3/0 AWG	1/2	0.562 (14.3)	1.280 (32.5)	2.353 (59.8)	4.310 (109.5)	1.516 (38.5)	0.546 (13.9)	1.105 (28.1)	0.720 (18.3)	Brown	299
ALNS-400-12	400kcmil	400kcmil - 4/0 AWG	1/2	0.562 (14.3)	1.302 (33.1)	2.303 (58.5)	4.250 (108.0)	1.623 (41.2)	0.546 (13.9)	1.188 (30.2)	0.762 (19.4)	Green	472
ALNS-400-58	400kcmil	400kcmil - 4/0 AWG	5/8	0.656 (16.7)	1.485 (37.7)	2.303 (58.5)	4.420 (112.3)	1.623 (41.2)	0.671 (17.0)	1.188 (30.2)	0.762 (19.4)	Green	472
ALNS-500-12	500kcmil	500kcmil - 4/0 AWG	1/2	0.562 (14.3)	1.303 (33.1)	2.565 (65.2)	4.745 (120.5)	1.802 (45.8)	0.546 (13.9)	1.315 (33.4)	0.854 (21.7)	Pink	300
ALNS-500-58	500kcmil	500kcmil - 4/0 AWG	5/8	0.656 (16.7)	1.500 (38.1)	2.565 (65.2)	4.930 (125.2)	1.802 (45.8)	0.671 (17.0)	1.315 (33.4)	0.854 (21.7)	Pink	300
ALNS-600-12	600kcmil	600kcmil - 250kcmil	1/2	0.562 (14.3)	1.372 (34.8)	2.685 (68.2)	5.250 (133.4)	1.965 (49.9)	0.671 (17.0)	1.440 (36.6)	0.920 (23.4)	Black	473
ALNS-600-58	600kcmil	600kcmil - 250kcmil	5/8	0.656 (16.7)	1.528 (38.8)	2.685 (68.2)	5.350 (135.9)	1.965 (49.9)	0.671 (17.0)	1.440 (36.6)	0.920 (23.4)	Black	473
ALNS-700/750-12	700/750kcmil	750kcmil-500kcmil, 900kcmil compact Al**	1/2	0.562 (14.3)	1.380 (35.1)	2.964 (75.3)	5.492 (139.5)	2.048 (52.0)	0.546 (13.9)	1.460 (37.1)	1.030 (26.2)	Yellow	936
ALNS-1000-12	1000kcmil	1000kcmil-750kcmil	1/2	0.562 (14.3)	1.461 (37.1)	2.996 (76.1)	6.100 (154.9)	2.514 (63.9)	0.811 (20.6)	1.840 (46.7)	1.180 (30.0)	Brown	P302
ALNS-1000-58	1000kcmil	1000kcmil-750kcmil	5/8	0.656 (16.7)	1.800 (45.7)	2.996 (76.1)	6.350 (161.3)	2.514 (63.9)	0.671 (17.0)	1.840 (46.7)	1.180 (30.0)	Brown	P302

For Tool and Die Information Refer to Tooling Information Page Series: ALNS, ALND, ALNN, ASN * When installed with specified dieless tools
** UL Listed 900kcmil compact Al Tested to UL 486A/B, UL File E6207

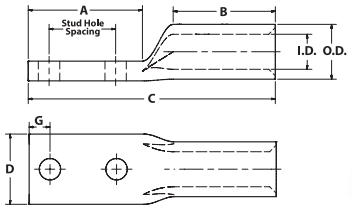
SureCrimp® Aluminum Compression Lugs
Long Barrel - Standard Tang - Dual Rated
Conductor Range: 4/0 - #8

RoHS Compliant | UL LISTED 453G | CSA LR-29601

A TYPE **ALND**

Features
- Manufactured from high strength aluminum alloy
- Electro-Tin plated
- Chamfered entry
- Color coded end cap
- Ink marked
- Two bolt hole pattern
- Pre-filled with DE-OX® oxide inhibiting compound
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Dual rated AL9CU to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- For easy identification and proper location of crimps
- Provides maximum surface contact, secure attachment, and stabilization
- Prevents oxides from forming & promotes connector longevity
- Permits inventories to be kept to a minimum
- Application versatility
- For use with aluminum or copper conductor



Catalog Number	Wire Size	Expanded Wire Size*	Bolt Size	Stud Hole Dia.	Stud Hole Spacing	Dimensions					O.D.	I.D.	Die Color Code	Die Index
						A	B	C	D	G				
ALND-8-10-1	#8 AWG	-	#10	0.219 (5.6)	1.000 (25.4)	1.750 (44.5)	0.602 (15.3)	2.560 (65.0)	0.388 (9.9)	0.259 (6.6)	0.300 (7.6)	0.155 (3.9)	Blue	374
ALND-6-14-1	#6 AWG	-	1/4	0.281 (7.1)	1.000 (25.4)	1.687 (42.9)	0.602 (15.3)	2.650 (67.3)	0.449 (11.4)	0.321 (8.2)	0.338 (8.6)	0.194 (4.9)	Gray	346
ALND-4-14-1	#4 AWG	4-6 AWG	1/4	0.281 (7.1)	1.000 (25.4)	1.636 (41.6)	0.920 (23.4)	2.930 (74.4)	0.568 (14.4)	0.321 (8.2)	0.427 (10.8)	0.247 (6.3)	Green	375
ALND-2-14-1	#2 AWG	2-6 AWG	1/4	0.281 (7.1)	1.000 (25.4)	1.635 (41.5)	0.970 (24.6)	3.035 (77.1)	0.700 (17.8)	0.321 (8.2)	0.525 (13.3)	0.307 (7.8)	Pink	348
ALND-2-38-1	#2 AWG	2-6 AWG	3/8	0.406 (10.3)	1.000 (25.4)	1.994 (50.6)	0.970 (24.6)	3.290 (83.6)	0.700 (17.8)	0.414 (10.5)	0.525 (13.3)	0.307 (7.8)	Pink	348
ALND-2-38-134	#2 AWG	2-6 AWG	3/8	0.406 (10.3)	1.750 (44.5)	2.676 (68.0)	0.970 (24.6)	3.985 (101.2)	0.700 (17.8)	0.414 (10.5)	0.525 (13.3)	0.307 (7.8)	Pink	348
ALND-1-14-1	#1 AWG	1-2 AWG	1/4	0.281 (7.1)	1.000 (25.4)	1.633 (41.5)	0.970 (24.6)	3.086 (78.4)	0.748 (18.9)	0.321 (8.2)	0.544 (13.8)	0.358 (9.1)	Gold	471
ALND-1-38-1	#1 AWG	1-2 AWG	3/8	0.406 (10.3)	1.000 (25.4)	1.992 (50.6)	0.970 (24.6)	3.345 (85.0)	0.748 (18.9)	0.414 (10.5)	0.544 (13.8)	0.358 (9.1)	Gold	471
ALND-1-38-134	#1 AWG	1-2 AWG	3/8	0.406 (10.3)	1.750 (44.5)	2.694 (68.43)	0.970 (24.6)	4.035 (102.5)	0.748 (18.9)	0.414 (10.5)	0.544 (13.8)	0.358 (9.1)	Gold	471
ALND-1/0-14-1	1/0 AWG	1/0-1 AWG	1/4	0.281 (7.1)	1.000 (25.4)	1.586 (40.3)	1.070 (27.2)	3.230 (82.0)	0.819 (20.8)	0.321 (8.2)	0.599 (15.2)	0.385 (9.8)	Tan	296
ALND-1/0-38-1	1/0 AWG	1/0-1 AWG	3/8	0.406 (10.3)	1.000 (25.4)	1.987 (50.5)	1.070 (27.2)	3.500 (88.9)	0.819 (20.8)	0.414 (10.5)	0.599 (15.2)	0.385 (9.8)	Tan	296
ALND-1/0-38-134	1/0 AWG	1/0-1 AWG	3/8	0.406 (10.3)	1.750 (44.5)	2.646 (67.2)	1.070 (27.2)	4.185 (106.3)	0.819 (20.8)	0.414 (10.5)	0.599 (15.2)	0.385 (9.8)	Tan	296
ALND-1/0-12-1	1/0 AWG	1/0-1 AWG	1/2	0.562 (14.3)	1.000 (25.4)	2.181 (55.4)	1.070 (27.2)	3.700 (94.0)	0.819 (20.8)	0.546 (13.9)	0.599 (15.2)	0.385 (9.8)	Tan	296
ALND-1/0-12-134	1/0 AWG	1/0-1 AWG	1/2	0.562 (14.3)	1.750 (44.5)	3.031 (77.0)	1.070 (27.2)	4.560 (115.8)	0.819 (20.8)	0.546 (13.9)	0.599 (15.2)	0.385 (9.8)	Tan	296
ALND-2/0-38-1	2/0 AWG	2/0-1 AWG	3/8	0.406 (10.3)	1.000 (25.4)	1.975 (50.2)	1.355 (34.4)	3.940 (100.1)	0.921 (23.4)	0.414 (10.5)	0.674 (17.1)	0.432 (11.0)	Olive	297
ALND-2/0-38-134	2/0 AWG	2/0-1 AWG	3/8	0.406 (10.3)	1.750 (44.5)	2.660 (67.6)	1.355 (34.4)	4.633 (117.7)	0.921 (23.4)	0.414 (10.5)	0.674 (17.1)	0.432 (11.0)	Olive	297
ALND-2/0-12-1	2/0 AWG	2/0-1 AWG	1/2	0.562 (14.3)	1.000 (25.4)	2.166 (55.0)	1.355 (34.4)	4.137 (105.1)	0.921 (23.4)	0.546 (13.9)	0.674 (17.1)	0.432 (11.0)	Olive	297
ALND-2/0-12-134	2/0 AWG	2/0-1 AWG	1/2	0.562 (14.3)	1.750 (44.5)	3.035 (77.1)	1.355 (34.4)	5.025 (127.6)	0.921 (23.4)	0.546 (13.9)	0.674 (17.1)	0.432 (11.0)	Olive	297
ALND-3/0-38-1	3/0 AWG	3/0-1 AWG	3/8	0.406 (10.3)	1.000 (25.4)	1.981 (50.3)	1.355 (34.4)	4.020 (102.1)	1.044 (26.5)	0.414 (10.5)	0.761 (19.3)	0.495 (12.6)	Ruby	467
ALND-3/0-38-134	3/0 AWG	3/0-1 AWG	3/8	0.406 (10.3)	1.750 (44.5)	2.671 (67.8)	1.355 (34.4)	4.695 (119.3)	1.044 (26.5)	0.414 (10.5)	0.761 (19.3)	0.495 (12.6)	Ruby	467
ALND-3/0-12-1	3/0 AWG	3/0-1 AWG	1/2	0.562 (14.3)	1.000 (25.4)	2.190 (55.6)	1.355 (34.4)	4.200 (106.7)	1.044 (26.5)	0.546 (13.9)	0.761 (19.3)	0.495 (12.6)	Ruby	467
ALND-3/0-12-134	3/0 AWG	3/0-1 AWG	1/2	0.562 (14.3)	1.750 (44.5)	3.032 (77.0)	1.355 (34.4)	5.260 (133.6)	1.044 (26.5)	0.546 (13.9)	0.761 (19.3)	0.495 (12.6)	Ruby	467
ALND-4/0-38-1	4/0 AWG	4/0-1 AWG	3/8	0.406 (10.3)	1.000 (25.4)	2.005 (50.9)	1.535 (39.0)	4.120 (104.7)	1.170 (29.7)	0.414 (10.5)	0.854 (21.7)	0.553 (14.0)	White	298
ALND-4/0-38-134	4/0 AWG	4/0-1 AWG	3/8	0.406 (10.3)	1.750 (44.5)	2.668 (67.8)	1.535 (39.0)	4.800 (121.9)	1.170 (29.7)	0.414 (10.5)	0.854 (21.7)	0.553 (14.0)	White	298
ALND-4/0-12-1	4/0 AWG	4/0-1 AWG	1/2	0.562 (14.3)	1.000 (25.4)	2.177 (55.3)	1.535 (39.0)	4.300 (109.2)	1.170 (29.7)	0.546 (13.9)	0.854 (21.7)	0.553 (14.0)	White	298
ALND-4/0-12-134	4/0 AWG	4/0-1 AWG	1/2	0.562 (14.3)	1.750 (44.5)	3.044 (77.3)	1.535 (39.0)	5.195 (132.0)	1.170 (29.7)	0.546 (13.9)	0.854 (21.7)	0.553 (14.0)	White	298

For Tool and Die Information Refer to Tooling Information Page Series: ALNS, ALND, ALNN, ASN * When installed with specified dieless tools
Tested to UL 486A/B, UL File E6207

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SureCrimp® Aluminum Compression Lugs
Long Barrel - Standard Tang - Dual Rated
Conductor Range: 500kcmil - 250kcmil

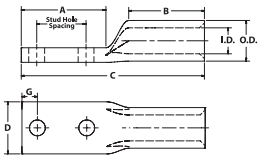
RoHS Compliant | UL LISTED 453G | SA LR-29601

A

TYPE
ALND

Features
- Manufactured from high strength aluminum alloy
- Electro-Tin plated
- Chamfered entry
- Color coded end cap
- Ink marked
- Two bolt hole pattern
- Pre-filled with DE-OX® oxide inhibiting compound
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Dual rated AL9CU to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- For easy identification and proper location of crimps
- Provides maximum surface contact, secure attachment, and stabilization
- Prevents oxides from forming & promotes connector longevity
- Permits inventories to be kept to a minimum
- Application versatility
- For use with aluminum or copper conductor



Catalog Number	Wire Size	Expanded Wire Size*	Bolt Size	Stud Hole Dia.	Stud Hole Spacing	Dimensions					O.D.	I.D.	Die Color Code	Die Index
						A	B	C	D	G				
ALND-250-38-1	250kcmil	250kcmil - 1/0 AWG	3/8	0.406 (10.3)	1.000 (25.4)	2.000 (50.8)	1.535 (39.0)	4.324 (109.8)	1.264 (32.1)	0.414 (10.5)	0.924 (23.5)	0.595 (15.1)	Red	324
ALND-250-38-134	250kcmil	250kcmil - 1/0 AWG	3/8	0.406 (10.3)	1.750 (44.5)	2.600 (66.0)	1.535 (39.0)	5.000 (127.0)	1.264 (32.1)	0.414 (10.5)	0.924 (23.5)	0.595 (15.1)	Red	324
ALND-250-12-1	250kcmil	250kcmil - 1/0 AWG	1/2	0.562 (14.3)	1.000 (25.4)	2.190 (55.6)	1.535 (39.0)	4.500 (114.3)	1.264 (32.1)	0.546 (13.9)	0.924 (23.5)	0.595 (15.1)	Red	324
ALND-250-12-134	250kcmil	250kcmil - 1/0 AWG	1/2	0.562 (14.3)	1.750 (44.5)	3.042 (77.3)	1.535 (39.0)	5.557 (141.1)	1.264 (32.1)	0.546 (13.9)	0.924 (23.5)	0.595 (15.1)	Red	324
ALND-300-38-1	300kcmil	300kcmil - 2/0 AWG	3/8	0.406 (10.3)	1.000 (25.4)	1.970 (50.0)	1.535 (39.0)	4.345 (110.4)	1.381 (35.1)	0.414 (10.5)	1.010 (25.7)	0.650 (16.5)	Blue	470
ALND-300-38-134	300kcmil	300kcmil - 2/0 AWG	3/8	0.406 (10.3)	1.750 (44.5)	2.643 (67.1)	1.535 (39.0)	5.023 (127.6)	1.381 (35.1)	0.414 (10.5)	1.010 (25.7)	0.650 (16.5)	Blue	470
ALND-300-12-1	300kcmil	300kcmil - 2/0 AWG	1/2	0.562 (14.3)	1.000 (25.4)	2.143 (54.4)	1.535 (39.0)	4.519 (114.8)	1.381 (35.1)	0.546 (13.9)	1.010 (25.7)	0.650 (16.5)	Blue	470
ALND-300-12-134	300kcmil	300kcmil - 2/0 AWG	1/2	0.562 (14.3)	1.750 (44.5)	3.000 (76.2)	1.535 (39.0)	5.122 (130.1)	1.381 (35.1)	0.546 (13.9)	1.010 (25.7)	0.650 (16.5)	Blue	470
ALND-350-38-1	350kcmil	350kcmil - 3/0 AWG	3/8	0.406 (10.3)	1.000 (25.4)	1.982 (50.3)	2.353 (59.8)	5.310 (134.9)	1.516 (38.5)	0.414 (10.5)	1.105 (28.1)	0.720 (18.3)	Brown	299
ALND-350-38-134	350kcmil	350kcmil - 3/0 AWG	3/8	0.406 (10.3)	1.750 (44.5)	2.625 (66.7)	2.353 (59.8)	5.661 (143.79)	1.516 (38.5)	0.414 (10.5)	1.105 (28.1)	0.720 (18.3)	Brown	299
ALND-350-12-1	350kcmil	350kcmil - 3/0 AWG	1/2	0.562 (14.3)	1.000 (25.4)	2.169 (55.1)	2.353 (59.8)	5.480 (139.2)	1.516 (38.5)	0.546 (13.9)	1.105 (28.1)	0.720 (18.3)	Brown	299
ALND-350-12-134	350kcmil	350kcmil - 3/0 AWG	1/2	0.562 (14.3)	1.750 (44.5)	3.025 (76.8)	2.353 (59.8)	6.065 (154.1)	1.516 (38.5)	0.546 (13.9)	1.105 (28.1)	0.720 (18.3)	Brown	299
ALND-400-38-1	400kcmil	400kcmil - 4/0 AWG	3/8	0.406 (10.3)	1.000 (25.4)	1.993 (50.6)	2.303 (58.5)	4.920 (125.0)	1.623 (41.2)	0.414 (10.5)	1.188 (30.2)	0.762 (19.4)	Green	472
ALND-400-38-134	400kcmil	400kcmil - 4/0 AWG	3/8	0.406 (10.3)	1.750 (44.5)	2.709 (68.8)	2.303 (58.5)	5.635 (143.1)	1.623 (41.2)	0.468 (11.9)	1.188 (30.2)	0.762 (19.4)	Green	472
ALND-400-12-1	400kcmil	400kcmil - 4/0 AWG	1/2	0.562 (14.3)	1.000 (25.4)	2.167 (55.0)	2.303 (58.5)	5.091 (129.3)	1.623 (41.2)	0.546 (13.9)	1.188 (30.2)	0.762 (19.4)	Green	472
ALND-400-12-134	400kcmil	400kcmil - 4/0 AWG	1/2	0.562 (14.3)	1.750 (44.5)	3.055 (77.6)	2.303 (58.5)	5.990 (152.1)	1.623 (41.2)	0.546 (13.9)	1.188 (30.2)	0.762 (19.4)	Green	472
ALND-500-38-1	500kcmil	500kcmil - 4/0 AWG	3/8	0.406 (10.3)	1.000 (25.4)	2.005 (50.9)	2.565 (65.2)	5.410 (137.4)	1.802 (45.8)	0.414 (10.5)	1.315 (33.4)	0.854 (21.7)	Pink	300
ALND-500-38-134	500kcmil	500kcmil - 4/0 AWG	3/8	0.406 (10.3)	1.750 (44.5)	2.627 (66.7)	2.565 (65.2)	6.075 (154.3)	1.802 (45.8)	0.414 (10.5)	1.315 (33.4)	0.854 (21.7)	Pink	300
ALND-500-12-1	500kcmil	500kcmil - 4/0 AWG	1/2	0.562 (14.3)	1.000 (25.4)	2.171 (55.1)	2.565 (65.2)	5.590 (142.0)	1.802 (45.8)	0.546 (13.9)	1.315 (33.4)	0.854 (21.7)	Pink	300
ALND-500-12-134	500kcmil	500kcmil - 4/0 AWG	1/2	0.562 (14.3)	1.750 (44.5)	3.020 (76.7)	2.565 (65.2)	6.450 (163.8)	1.802 (45.8)	0.546 (13.9)	1.315 (33.4)	0.854 (21.7)	Pink	300

For Tool and Die Information Refer to Tooling Information Page Series: ALNS, ALND, ALNN, ASN * When installed with specified dieless tools
Tested to UL 486A/B, UL File E6207

SureCrimp® Aluminum Compression Lugs
Long Barrel - Standard Tang - Dual Rated
Conductor Range: 1000kcmil - 600kcmil

RoHS Compliant | UL LISTED 453G | SA LR-29601

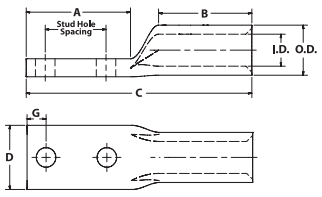
A TYPE **ALND**

Features

- Manufactured from high strength aluminum alloy
- Electro-Tin plated
- Chamfered entry
- Color coded end cap
- Ink marked
- Two bolt hole pattern
- Pre-filled with DE-OX® oxide inhibiting compound
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Dual rated AL9CU to 90° C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- For easy identification and proper location of crimps
- Provides maximum surface contact, secure attachment, and stabilization
- Prevents oxides from forming & promotes connector longevity
- Permits inventories to be kept to a minimum
- Application versatility
- For use with aluminum or copper conductor



Catalog Number	Wire Size	Expanded Wire Size*	Bolt Size	Stud Hole Dia.	Stud Hole Spacing	Dimensions A	B	C	D	G	O.D.	I.D.	Die Color Code	Die Index
ALND-600-38-1	600kcmil	600kcmil-250kcmil	3/8	0.406 (10.3)	1.000 (25.4)	2.128 (54.1)	2.685 (68.2)	5.975 (151.8)	1.965 (49.9)	0.593 (15.1)	1.440 (36.6)	0.920 (23.4)	Black	473
ALND-600-38-134	600kcmil	600kcmil-250kcmil	3/8	0.406 (10.3)	1.750 (44.5)	2.796 (71.0)	2.685 (68.2)	6.660 (169.2)	1.965 (49.9)	0.593 (15.1)	1.440 (36.6)	0.920 (23.4)	Black	473
ALND-600-12-1	600kcmil	600kcmil-250kcmil	1/2	0.562 (14.3)	1.000 (25.4)	2.262 (57.5)	2.685 (68.2)	6.130 (155.7)	1.965 (49.9)	0.671 (17.0)	1.440 (36.6)	0.920 (23.4)	Black	473
ALND-600-12-134	600kcmil	600kcmil-250kcmil	1/2	0.562 (14.3)	1.750 (44.5)	3.150 (80.0)	2.685 (68.2)	6.973 (177.1)	1.965 (49.9)	0.546 (13.9)	1.440 (36.6)	0.920 (23.4)	Black	473
ALND-700/750-38-1	700/750kcmil	750kcmil-500kcmil, 900kcmil compact Al**	3/8	0.406 (10.3)	1.000 (25.4)	2.121 (53.9)	2.964 (75.3)	6.220 (158.0)	2.048 (52.0)	0.623 (15.8)	1.460 (37.1)	1.030 (26.2)	Yellow	936
ALND-700/750-38-134	700/750kcmil	750kcmil-500kcmil, 900kcmil compact Al**	3/8	0.406 (10.3)	1.750 (44.5)	2.812 (71.4)	2.964 (75.3)	6.900 (175.3)	2.048 (52.0)	0.623 (15.8)	1.460 (37.1)	1.030 (26.2)	Yellow	936
ALND-700/750-12-1	700/750kcmil	750kcmil-500kcmil, 900kcmil compact Al**	1/2	0.562 (14.3)	1.000 (25.4)	2.298 (58.4)	2.964 (75.3)	6.400 (162.6)	2.048 (52.0)	0.701 (17.8)	1.460 (37.1)	1.030 (26.2)	Yellow	936
ALND-700/750-12-134	700/750kcmil	750kcmil-500kcmil, 900kcmil compact Al**	1/2	0.562 (14.3)	1.750 (44.5)	3.162 (80.3)	2.964 (75.3)	7.062 (179.4)	2.048 (52.0)	0.546 (13.9)	1.460 (37.1)	1.030 (26.2)	Yellow	936
ALND-1000-38-1	1000kcmil	1000kcmil-750kcmil	3/8	0.406 (10.3)	1.000 (25.4)	2.249 (57.1)	2.996 (76.1)	6.840 (173.8)	2.514 (63.9)	0.733 (18.6)	1.840 (46.7)	1.180 (30.0)	Brown	P302
ALND-1000-38-134	1000kcmil	1000kcmil-750kcmil	3/8	0.406 (10.3)	1.750 (44.5)	2.947 (74.9)	2.996 (76.1)	7.530 (191.3)	2.514 (63.9)	0.733 (18.6)	1.840 (46.7)	1.180 (30.0)	Brown	P302
ALND-1000-12-1	1000kcmil	1000kcmil-750kcmil	1/2	0.562 (14.3)	1.000 (25.4)	2.125 (54.0)	2.996 (76.1)	6.806 (172.9)	2.514 (63.9)	0.811 (20.6)	1.840 (46.7)	1.180 (30.0)	Brown	P302
ALND-1000-12-134	1000kcmil	1000kcmil-750kcmil	1/2	0.562 (14.3)	1.750 (44.5)	3.231 (82.1)	2.996 (76.1)	7.795 (198.0)	2.514 (63.9)	0.546 (13.9)	1.840 (46.7)	1.180 (30.0)	Brown	P302

For Tool and Die Information Refer to Tooling Information Page Series: ALNS, ALND, ALNN, ASN * When installed with specified dieless tools
** UL Listed 900kcmil compact Al Tested to UL 486A/B, UL File E6207

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SureCrimp® Aluminum Compression Lugs
Narrow Tang, 1 Hole, w/o Sight Hole
Conductor Range: 1000kcmil - #4

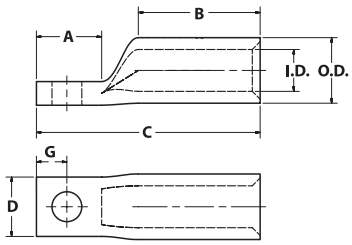
RoHS Compliant | UL LISTED 453G | SA LR-29601

A

TYPE
ALNN

Features
- Manufactured from high strength aluminum alloy
- Electro-Tin plated
- Chamfered entry
- Color coded end cap
- Ink marked
- Pre-filled with DE-OX® oxide inhibiting compound
- Range taking
- Narrow Tang
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Dual rated AL9CU to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- For easy identification and proper location of crimps
- Prevents oxides from forming
- Permits inventories to be kept to a minimum
- Side by side mounting
- Application versatility
- For use with copper or aluminum conductor



Catalog Number	Wire Size	Expanded Wire Size*	Bolt Size	Stud Hole Dia.	Dimensions					O.D.	I.D.	Die Color Code	Die Index
					A	B	C	D	G				
ALNN-4-14	#4 AWG	4-6 AWG	1/4	0.281 (7.1)	0.875 (22.2)	0.920 (23.4)	2.029 (51.5)	0.412 (10.5)	0.321 (8.2)	0.427 (10.8)	0.247 (6.3)	Green	375
ALNN-2-14	#2 AWG	2-6 AWG	1/4	0.281 (7.1)	0.875 (22.2)	0.970 (24.6)	2.131 (54.1)	0.495 (12.6)	0.321 (8.2)	0.525 (13.3)	0.307 (7.8)	Pink	348
ALNN-1-14	#1 AWG	1-2 AWG	1/4	0.281 (7.1)	1.687 (42.8)	0.970 (24.6)	2.175 (55.2)	0.514 (13.1)	0.321 (8.2)	0.544 (13.8)	0.358 (9.1)	Gold	471
ALNN-1-516	#1 AWG	1-2 AWG	5/16	0.343 (8.7)	0.875 (22.2)	0.970 (24.6)	2.175 (55.2)	0.514 (13.1)	0.353 (9.0)	0.544 (13.8)	0.358 (9.1)	Gold	471
ALNN-1/0-516	#1/0 AWG	1/0-1 AWG	5/16	0.343 (8.7)	0.875 (22.2)	1.070 (27.2)	2.301 (58.4)	0.569 (14.5)	0.353 (9.0)	0.599 (15.2)	0.385 (9.8)	Tan	296
ALNN-2/0-38	#2/0 AWG	2/0-1 AWG	3/8	0.406 (10.3)	0.875 (22.2)	1.355 (34.4)	2.626 (66.7)	0.644 (16.4)	0.414 (10.5)	0.674 (17.1)	0.432 (11.0)	Olive	297
ALNN-3/0-38	#3/0 AWG	3/0-1 AWG	3/8	0.406 (10.3)	0.875 (22.2)	1.355 (34.4)	2.669 (67.8)	0.731 (18.6)	0.414 (10.5)	0.761 (19.3)	0.495 (12.6)	Ruby	467
ALNN-3/0-12	#3/0 AWG	3/0-1 AWG	1/2	0.562 (14.3)	1.250 (31.8)	1.355 (34.4)	3.044 (77.3)	0.731 (18.6)	0.546 (13.9)	0.761 (19.3)	0.495 (12.6)	Ruby	467
ALNN-4/0-38	#4/0 AWG	4/0-1 AWG	3/8	0.406 (10.3)	0.875 (22.2)	1.535 (39.0)	2.901 (73.7)	0.824 (20.9)	0.414 (10.5)	0.854 (21.7)	0.553 (14.0)	White	298
ALNN-4/0-12	#4/0 AWG	4/0-1 AWG	1/2	0.562 (14.3)	1.250 (31.8)	1.535 (39.0)	3.276 (83.2)	0.824 (20.9)	0.546 (13.9)	0.854 (21.7)	0.553 (14.0)	White	298
ALNN-250-38	250kcmil	250kcmil-1/0 AWG	3/8	0.406 (10.3)	0.875 (22.2)	1.535 (39.0)	2.941 (74.7)	0.894 (22.7)	0.414 (10.5)	0.924 (23.5)	0.595 (15.1)	Red	324
ALNN-250-12	250kcmil	250kcmil-1/0 AWG	1/2	0.562 (14.3)	1.250 (31.8)	1.535 (39.0)	3.316 (84.2)	0.894 (22.7)	0.546 (13.9)	0.924 (23.5)	0.595 (15.1)	Red	324
ALNN-300-38	300kcmil	300kcmil-2/0 AWG	3/8	0.406 (10.3)	0.875 (22.2)	1.535 (39.0)	2.997 (76.1)	0.980 (24.9)	0.414 (10.5)	1.010 (25.7)	0.650 (16.5)	Blue	470
ALNN-300-12	300kcmil	300kcmil-2/0 AWG	1/2	0.562 (14.3)	1.250 (31.8)	1.535 (39.0)	3.372 (85.6)	0.980 (24.9)	0.546 (13.9)	1.010 (25.7)	0.650 (16.5)	Blue	470
ALNN-350-12	350kcmil	350kcmil-3/0 AWG	1/2	0.562 (14.3)	1.250 (31.8)	2.353 (59.8)	4.226 (107.3)	1.075 (27.3)	0.546 (13.9)	1.105 (28.1)	0.720 (18.3)	Brown	299
ALNN-400-12	400kcmil	400kcmil-4/0 AWG	1/2	0.562 (14.3)	1.250 (31.8)	2.303 (58.5)	4.220 (107.2)	1.158 (29.4)	0.546 (13.9)	1.188 (30.2)	0.762 (19.4)	Green	472
ALNN-400-58	400kcmil	400kcmil-4/0 AWG	5/8	0.656 (16.7)	1.437 (36.5)	2.303 (58.5)	4.407 (111.9)	1.158 (29.4)	0.671 (17.0)	1.188 (30.2)	0.762 (19.4)	Green	472
ALNN-500-12	500kcmil	500kcmil-5/0 AWG	1/2	0.562 (14.3)	1.250 (31.8)	2.565 (65.2)	4.547 (115.5)	1.285 (32.6)	0.546 (13.9)	1.315 (33.4)	0.854 (21.7)	Pink	300
ALNN-500-58	500kcmil	500kcmil-5/0 AWG	5/8	0.656 (16.7)	1.437 (36.5)	2.565 (65.2)	4.734 (120.2)	1.285 (32.6)	0.671 (17.0)	1.315 (33.4)	0.854 (21.7)	Pink	300
ALNN-600-12	600kcmil	600kcmil-250kcmil	1/2	0.562 (14.3)	1.250 (31.8)	2.685 (68.2)	4.744 (120.5)	1.410 (35.8)	0.546 (13.9)	1.440 (36.6)	0.920 (23.4)	Black	473
ALNN-600-58	600kcmil	600kcmil-250kcmil	5/8	0.656 (16.7)	1.437 (36.5)	2.685 (68.2)	4.931 (125.2)	1.410 (35.8)	0.671 (17.0)	1.440 (36.6)	0.920 (23.4)	Black	473
ALNN-700/750-12	700 / 750kcmil	750kcmil-500kcmil, 900kcmil compact Al**	1/2	0.562 (14.3)	1.250 (31.8)	2.964 (75.3)	5.116 (129.9)	1.430 (36.3)	0.546 (13.9)	1.460 (37.1)	1.030 (26.2)	Yellow	936
ALNN-700/750-58	700 / 750kcmil	750kcmil-500kcmil, 900kcmil compact Al**	5/8	0.656 (16.7)	1.437 (36.5)	2.964 (75.3)	5.303 (134.7)	1.430 (36.3)	0.671 (17.0)	1.460 (37.1)	1.030 (26.2)	Yellow	936
ALNN-1000-12	1000kcmil	1000kcmil-750kcmil	1/2	0.562 (14.3)	1.250 (31.8)	2.996 (76.1)	5.271 (133.9)	1.578 (40.1)	0.546 (13.9)	1.840 (46.7)	1.180 (30.0)	Brown	P302
ALNN-1000-58	1000kcmil	1000kcmil-750kcmil	5/8	0.656 (16.7)	1.437 (36.5)	2.996 (76.1)	5.458 (138.6)	1.578 (40.1)	0.671 (17.0)	1.840 (46.7)	1.180 (30.0)	Brown	P302

For Tool and Die Information Refer to Tooling Information Page Series: ALNS, ALND, ALNN, ASN * When installed with specified dieless tools
** UL Listed 900kcmil compact Al Tested to UL 486A/B, UL File E6207

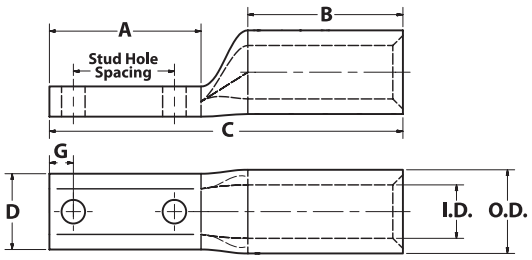
SureCrimp® Aluminum Compression Lugs
Narrow Tang, 2 Hole, w/o Sight Hole
Conductor Range: 300kcmil - #4

RoHS Compliant | UL LISTED 453G | SA LR-29601

A TYPE **ALNN**

Features
- Manufactured from high strength aluminum alloy
- Electro-Tin plated
- Chamfered entry
- Color coded end cap
- Ink marked
- Two bolt hole pattern
- Pre-filled with DE-OX® oxide inhibiting compound
- Range taking
- Narrow Tang
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Dual rated AL9CU to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- For easy identification and proper location of crimps
- Provides maximum surface contact, secure attachment, and stabilization
- Prevents oxides from forming
- Permits inventories to be kept to a minimum
- Side by side mounting
- Application versatility
- For use with copper or aluminum conductor



Catalog Number	Wire Size	Expanded Wire Size*	Bolt Size	Stud Hole Dia.	Stud Hole Spacing	Dimensions							Die Color Code	Die Index
						A	B	C	D	G	O.D.	I.D.		
ALNN-4-14-1	#4 AWG	4-6 AWG	1/4	0.281 (7.1)	1.000 (25.4)	1.687 (42.8)	0.920 (23.4)	2.841 (72.2)	0.412 (10.5)	0.321 (8.2)	0.427 (10.8)	0.247 (6.3)	Green	375
ALNN-2-14-1	#2 AWG	2-6 AWG	1/4	0.281 (7.1)	1.000 (25.4)	1.687 (42.8)	0.970 (24.6)	2.943 (74.8)	0.495 (12.6)	0.321 (8.2)	0.525 (13.3)	0.307 (7.8)	Pink	348
ALNN-1-14-1	#1 AWG	1-2 AWG	1/4	0.281 (7.1)	1.000 (25.4)	1.687 (42.8)	0.970 (24.6)	2.987 (75.9)	0.514 (13.1)	0.321 (8.2)	0.544 (13.8)	0.358 (9.1)	Gold	471
ALNN-1/0-14-1	1/0 AWG	1/0-1 AWG	1/4	0.281 (7.1)	1.000 (25.4)	1.687 (42.8)	1.070 (27.2)	2.987 (75.9)	0.569 (14.5)	0.321 (8.2)	0.599 (15.2)	0.385 (9.8)	Tan	296
ALNN-2/0-38-1	2/0AWG	2/0-1 AWG	3/8	0.406 (10.3)	1.000 (25.4)	1.937 (49.2)	1.355 (34.4)	3.688 (93.7)	0.644 (16.4)	0.414 (10.5)	0.674 (17.1)	0.432 (11.0)	Olive	297
ALNN-2/0-38-134	2/0 AWG	2/0-1 AWG	3/8	0.406 (10.3)	1.750 (44.5)	2.625 (66.7)	1.355 (34.4)	4.376 (111.2)	0.644 (16.4)	0.414 (10.5)	0.674 (17.1)	0.432 (11.0)	Olive	297
ALNN-3/0-38-1	3/0 AWG	3/0-1 AWG	3/8	0.406 (10.3)	1.000 (25.4)	1.937 (49.2)	1.355 (34.4)	3.731 (94.8)	0.731 (18.6)	0.414 (10.5)	0.761 (19.3)	0.495 (12.6)	Ruby	467
ALNN-3/0-38-134	3/0 AWG	3/0-1 AWG	3/8	0.406 (10.3)	1.750 (44.5)	2.625 (66.7)	1.355 (34.4)	4.419 (112.2)	0.731 (18.6)	0.414 (10.5)	0.761 (19.3)	0.495 (12.6)	Ruby	467
ALNN-3/0-12-134	3/0 AWG	3/0-1 AWG	1/2	0.562 (14.3)	1.750 (44.5)	3.000 (76.2)	1.355 (34.4)	4.794 (121.8)	0.731 (18.6)	0.546 (13.9)	0.761 (19.3)	0.495 (12.6)	Ruby	467
ALNN-4/0-38-1	4/0 AWG	4/0-1 AWG	3/8	0.406 (10.3)	1.000 (25.4)	1.937 (49.2)	1.535 (39.0)	3.963 (100.7)	0.824 (20.9)	0.414 (10.5)	0.854 (21.7)	0.553 (14.0)	White	298
ALNN-4/0-38-134	4/0 AWG	4/0-1 AWG	3/8	0.406 (10.3)	1.750 (44.5)	2.625 (66.7)	1.535 (39.0)	4.651 (118.1)	0.824 (20.9)	0.414 (10.5)	0.854 (21.7)	0.553 (14.0)	White	298
ALNN-4/0-12-1	4/0 AWG	4/0-1 AWG	1/2	0.562 (14.3)	1.000 (25.4)	2.125 (54.0)	1.535 (39.0)	4.151 (105.4)	0.824 (20.9)	0.546 (13.9)	0.854 (21.7)	0.553 (14.0)	White	298
ALNN-4/0-12-134	4/0 AWG	4/0-1 AWG	1/2	0.562 (14.3)	1.750 (44.5)	3.000 (76.2)	1.535 (39.0)	5.026 (127.7)	0.824 (20.9)	0.546 (13.9)	0.854 (21.7)	0.553 (14.0)	White	298
ALNN-250-38-1	250kcmil	250kcmil-1/0 AWG	3/8	0.406 (10.3)	1.000 (25.4)	1.937 (49.2)	1.535 (39.0)	4.003 (101.7)	0.894 (22.7)	0.414 (10.5)	0.924 (23.5)	0.595 (15.1)	Red	324
ALNN-250-38-134	250kcmil	250kcmil-1/0 AWG	3/8	0.406 (10.3)	1.750 (44.5)	2.625 (66.7)	1.535 (39.0)	4.691 (119.2)	0.894 (22.7)	0.414 (10.5)	0.924 (23.5)	0.595 (15.1)	Red	324
ALNN-250-12-1	250kcmil	250kcmil-1/0 AWG	1/2	0.562 (14.3)	1.000 (25.4)	2.125 (54.0)	1.535 (39.0)	4.191 (106.5)	0.894 (22.7)	0.546 (13.9)	0.924 (23.5)	0.595 (15.1)	Red	324
ALNN-250-12-134	250kcmil	250kcmil-1/0 AWG	1/2	0.562 (14.3)	1.750 (44.5)	3.000 (76.2)	1.535 (39.0)	5.066 (128.7)	0.894 (22.7)	0.546 (13.9)	0.924 (23.5)	0.595 (15.1)	Red	324
ALNN-300-38-1	300kcmil	300kcmil-2/0 AWG	3/8	0.406 (10.3)	1.000 (25.4)	1.937 (49.2)	1.535 (39.0)	4.059 (103.1)	0.980 (24.9)	0.414 (10.5)	1.010 (25.7)	0.650 (16.5)	Blue	470
ALNN-300-38-134	300kcmil	300kcmil-2/0 AWG	3/8	0.406 (10.3)	1.750 (44.5)	2.625 (66.7)	1.535 (39.0)	4.747 (120.6)	0.980 (24.9)	0.414 (10.5)	1.010 (25.7)	0.650 (16.5)	Blue	470
ALNN-300-12-1	300kcmil	300kcmil-2/0 AWG	1/2	0.562 (14.3)	1.000 (25.4)	2.125 (54.0)	1.535 (39.0)	4.247 (107.9)	0.980 (24.9)	0.546 (13.9)	1.010 (25.7)	0.650 (16.5)	Blue	470
ALNN-300-12-134	300kcmil	300kcmil-2/0 AWG	1/2	0.562 (14.3)	1.750 (44.5)	3.000 (76.2)	1.535 (39.0)	5.122 (130.1)	0.980 (24.9)	0.546 (13.9)	1.010 (25.7)	0.650 (16.5)	Blue	470

For Tool and Die Information Refer to Tooling Information Page Series: ALNS, ALND, ALNN, ASN
* When installed with specified dieless tools
** UL Listed 900kcmil compact Al Tested to UL 486A/B, UL File E6207

4730 Madison Road, Cincinnati OH 45227-1426 | PH: 513.533.6200 | FAX: 513.871.4084 | www.ilsco.com
In Canada: 615 B Orwell Street, Mississauga, Ontario, Canada L5A 2W4 | PH: 905.274.2341 | FAX: 905.279.2682

SureCrimp® Aluminum Compression Lugs
Narrow Tang, 2 Hole, w/o Sight Hole
Conductor Range: 1000kcmil - 350kcmil

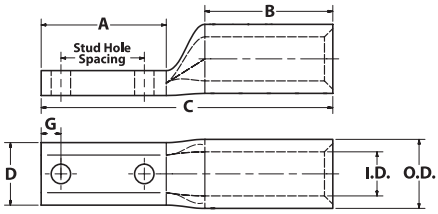
RoHS Compliant | UL LISTED 453G | SA LR-29601

A

TYPE
ALNN

Features
- Manufactured from high strength aluminum alloy
- Electro-Tin plated
- Chamfered entry
- Color coded end cap
- Ink marked
- Two bolt hole pattern
- Pre-filled with DE-OX® oxide inhibiting compound
- Range taking
- Narrow Tang
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Dual rated AL9CU to 90˚ C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- For easy identification and proper location of crimps
- Provides maximum surface contact, secure attachment, and stabilization
- Prevents oxides from forming
- Permits inventories to be kept to a minimum
- Side by side mounting
- Application versatility
- For use with copper or aluminum conductor



Catalog Number	Wire Size	Expanded Wire Size*	Bolt Size	Stud Hole Dia.	Stud Hole Spacing	Dimensions							Die Color Code	Die Index
						A	B	C	D	G	O.D.	I.D.		
ALNN-350-38-1	350kcmil	350kcmil-3/0 AWG	3/8	0.406 (10.3)	1.000 (25.4)	1.937 (49.2)	2.353 (59.8)	4.913 (124.8)	1.075 (27.3)	0.414 (10.5)	1.105 (28.1)	0.720 (18.3)	Brown	299
ALNN-350-38-134	350kcmil	350kcmil-3/0 AWG	3/8	0.406 (10.3)	1.750 (44.5)	2.625 (66.7)	2.353 (59.8)	5.601 (142.3)	1.075 (27.3)	0.414 (10.5)	1.105 (28.1)	0.720 (18.3)	Brown	299
ALNN-350-12-1	350kcmil	350kcmil-3/0 AWG	1/2	0.562 (14.3)	1.000 (25.4)	2.125 (54.0)	2.353 (59.8)	5.101 (129.6)	1.075 (27.3)	0.546 (13.9)	1.105 (28.1)	0.720 (18.3)	Brown	299
ALNN-350-12-134	350kcmil	350kcmil-3/0 AWG	1/2	0.562 (14.3)	1.750 (44.5)	3.000 (76.2)	2.353 (59.8)	5.976 (151.8)	1.075 (27.3)	0.546 (13.9)	1.105 (28.1)	0.720 (18.3)	Brown	299
ALNN-400-38-1	400kcmil	400kcmil-4/0 AWG	3/8	0.406 (10.3)	1.000 (25.4)	1.937 (49.2)	2.303 (58.5)	4.907 (124.6)	1.158 (29.4)	0.414 (10.5)	1.188 (30.2)	0.762 (19.4)	Green	472
ALNN-400-38-134	400kcmil	400kcmil-4/0 AWG	3/8	0.406 (10.3)	1.750 (44.5)	2.625 (66.7)	2.303 (58.5)	5.595 (142.1)	1.158 (29.4)	0.414 (10.5)	1.188 (30.2)	0.762 (19.4)	Green	472
ALNN-400-12-1	400kcmil	400kcmil-4/0 AWG	1/2	0.562 (14.3)	1.000 (25.4)	2.125 (54.0)	2.303 (58.5)	5.095 (129.4)	1.158 (29.4)	0.546 (13.9)	1.188 (30.2)	0.762 (19.4)	Green	472
ALNN-400-12-134	400kcmil	400kcmil-4/0 AWG	1/2	0.562 (14.3)	1.750 (44.5)	3.000 (76.2)	2.303 (58.5)	5.970 (151.6)	1.158 (29.4)	0.546 (13.9)	1.188 (30.2)	0.762 (19.4)	Green	472
ALNN-500-38-1	500kcmil	500kcmil-4/0 AWG	3/8	0.406 (10.3)	1.000 (25.4)	1.937 (49.2)	2.565 (65.2)	5.234 (132.9)	1.285 (32.6)	0.414 (10.5)	1.315 (33.4)	0.854 (21.7)	Pink	300
ALNN-500-38-134	500kcmil	500kcmil-4/0 AWG	3/8	0.406 (10.3)	1.750 (44.5)	2.625 (66.7)	2.565 (65.2)	5.922 (150.4)	1.285 (32.6)	0.414 (10.5)	1.315 (33.4)	0.854 (21.7)	Pink	300
ALNN-500-12-1	500kcmil	500kcmil-4/0 AWG	1/2	0.562 (14.3)	1.000 (25.4)	2.125 (54.0)	2.565 (65.2)	5.422 (137.7)	1.285 (32.6)	0.546 (13.9)	1.315 (33.4)	0.854 (21.7)	Pink	300
ALNN-500-12-134	500kcmil	500kcmil-4/0 AWG	1/2	0.562 (14.3)	1.750 (44.5)	3.000 (76.2)	2.565 (65.2)	6.297 (159.9)	1.285 (32.6)	0.546 (13.9)	1.315 (33.4)	0.854 (21.7)	Pink	300
ALNN-600-38-1	600kcmil	600kcmil-250kcmil	3/8	0.406 (10.3)	1.000 (25.4)	1.937 (49.2)	2.685 (68.2)	5.431 (137.9)	1.410 (35.8)	0.414 (10.5)	1.440 (36.6)	0.920 (23.4)	Black	473
ALNN-600-38-134	600kcmil	600kcmil-250kcmil	3/8	0.406 (10.3)	1.750 (44.5)	2.625 (66.7)	2.685 (68.2)	6.119 (155.4)	1.410 (35.8)	0.414 (10.5)	1.440 (36.6)	0.920 (23.4)	Black	473
ALNN-600-12-1	600kcmil	600kcmil-250kcmil	1/2	0.562 (14.3)	1.000 (25.4)	2.125 (54.0)	2.685 (68.2)	5.619 (142.7)	1.410 (35.8)	0.546 (13.9)	1.440 (36.6)	0.920 (23.4)	Black	473
ALNN-600-12-134	600kcmil	600kcmil-250kcmil	1/2	0.562 (14.3)	1.750 (44.5)	3.000 (76.2)	2.685 (68.2)	6.494 (164.9)	1.410 (35.8)	0.546 (13.9)	1.440 (36.6)	0.920 (23.4)	Black	473
ALNN-700/750-38-1	700/750kcmil	750kcmil-500kcmil, 900kcmil compact Al**	3/8	0.406 (10.3)	1.000 (25.4)	1.937 (49.2)	2.964 (75.3)	5.803 (147.4)	1.430 (36.3)	0.414 (10.5)	1.460 (37.1)	1.030 (26.2)	Yellow	936
ALNN-700/750-38-134	700/750kcmil	750kcmil-500kcmil, 900kcmil compact Al**	3/8	0.406 (10.3)	1.750 (44.5)	2.625 (66.7)	2.964 (75.3)	6.491 (164.9)	1.430 (36.3)	0.414 (10.5)	1.460 (37.1)	1.030 (26.2)	Yellow	936
ALNN-700/750-12-1	700/750kcmil	750kcmil-500kcmil, 900kcmil compact Al**	1/2	0.562 (14.3)	1.000 (25.4)	2.125 (54.0)	2.964 (75.3)	5.991 (152.2)	1.430 (36.3)	0.546 (13.9)	1.460 (37.1)	1.030 (26.2)	Yellow	936
ALNN-700/750-12-134	700/750kcmil	750kcmil-500kcmil, 900kcmil compact Al**	1/2	0.562 (14.3)	1.750 (44.5)	3.000 (76.2)	2.964 (75.3)	6.866 (174.4)	1.430 (36.3)	0.546 (13.9)	1.460 (37.1)	1.030 (26.2)	Yellow	936
ALNN-1000-38-1	1000kcmil	1000kcmil-750kcmil	3/8	0.406 (10.3)	1.000 (25.4)	1.937 (49.2)	2.996 (76.1)	5.958 (151.3)	1.578 (40.1)	0.414 (10.5)	1.840 (46.7)	1.180 (30.0)	Brown	P302
ALNN-1000-38-134	1000kcmil	1000kcmil-750kcmil	3/8	0.406 (10.3)	1.750 (44.5)	2.625 (66.7)	2.996 (76.1)	6.646 (168.8)	1.578 (40.1)	0.414 (10.5)	1.840 (46.7)	1.180 (30.0)	Brown	P302
ALNN-1000-12-1	1000kcmil	1000kcmil-750kcmil	1/2	0.562 (14.3)	1.000 (25.4)	2.125 (54.0)	2.996 (76.1)	6.146 (156.1)	1.578 (40.1)	0.546 (13.9)	1.840 (46.7)	1.180 (30.0)	Brown	P302
ALNN-1000-12-134	1000kcmil	1000kcmil-750kcmil	1/2	0.562 (14.3)	1.750 (44.5)	3.000 (76.2)	2.996 (76.1)	7.021 (178.3)	1.578 (40.1)	0.546 (13.9)	1.840 (46.7)	1.180 (30.0)	Brown	P302

For Tool and Die Information Refer to Tooling Information Page Series: ALNS, ALND, ALNN, ASN * When installed with specified dieless tools
** UL Listed 900kcmil compact Al Tested to UL 486A/B, UL File E6207

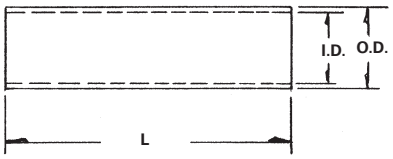
SureCrimp® Aluminum Compression Sleeves
Dual Rated
Conductor Range: 1000kcmil - #8

RoHS Compliant | UL LISTED 453G | SA LR-29601

A TYPE **ASN**

Features
- Manufactured from high strength aluminum alloy
- Electro-Tin plated
- Chamfered entry
- Color coded end cap
- Ink marked
- Pre-filled with DE-OX® oxide inhibiting compound
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Dual rated AL9CU to 90° C

Benefits
- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper compression die
- For easy identification and proper location of crimps
- Prevents oxides from forming & promotes connector longevity
- Permits inventories to be kept to a minimum
- Application versatility
- For use with aluminum or copper conductor
-



Catalog Number	Wire Size	Expanded Wire Size*	Dimensions			Die Color Code	Die Index
			Length	O.D.	I.D.		
ASN-8	#8 AWG	8 AWG	1.806 (45.9)	0.300 (7.6)	0.155 (3.9)	Blue	374
ASN-6	#6 AWG	6 AWG	1.205 (30.6)	0.338 (8.6)	0.194 (4.9)	Gray	346
ASN-4	#4 AWG	4-6 AWG	2.222 (56.4)	0.427 (10.8)	0.247 (6.3)	Green	375
ASN-2	#2 AWG	2-6 AWG	1.940 (49.3)	0.525 (13.3)	0.307 (7.8)	Pink	348
ASN-1	#1 AWG	1-2 AWG	1.940 (49.3)	0.544 (13.8)	0.358 (9.1)	Gold	471
ASN-1/0	1/0 AWG	1/0-1 AWG	2.573 (65.4)	0.599 (15.2)	0.385 (9.8)	Tan	296
ASN-2/0	2/0 AWG	2/0-1 AWG	2.710 (68.8)	0.674 (17.1)	0.432 (11.0)	Olive	297
ASN-3/0	3/0 AWG	3/0-1 AWG	2.710 (68.8)	0.761 (19.3)	0.495 (12.6)	Ruby	467
ASN-4/0	4/0 AWG	4/0-1 AWG	3.070 (78.0)	0.854 (21.7)	0.553 (14.0)	White	298
ASN-250	250kcmil	250kcmil-1/0 AWG	3.735 (94.9)	0.924 (23.5)	0.595 (15.1)	Red	324
ASN-300	300kcmil	300kcmil-2/0 AWG	3.070 (78.0)	1.010 (25.7)	0.650 (16.5)	Blue	470
ASN-350	350kcmil	350kcmil-3/0 AWG	5.125 (130.2)	1.105 (28.1)	0.720 (18.3)	Brown	299
ASN-400	400kcmil	400kcmil-4/0 AWG	4.606 (117.0)	1.188 (30.2)	0.762 (19.4)	Green	472
ASN-500	500kcmil	500kcmil-4/0 AWG	5.130 (130.3)	1.315 (33.4)	0.854 (21.7)	Pink	300
ASN-600	600kcmil	600kcmil-250kcmil	5.370 (136.4)	1.440 (36.6)	0.920 (23.4)	Black	473
ASN-700/750	700/750kcmil	750kcmil-500kcmil, 900kcmil compact Al**	5.928 (150.6)	1.460 (37.1)	1.030 (26.2)	Yellow	936
ASN-1000	1000kcmil	1000kcmil-750kcmil	5.992 (152.2)	1.840 (46.7)	1.180 (30.0)	Brown	P302

For Tool and Die Information Refer to Tooling Information Page Series: ALNS, ALND, ALNN, ASN
* When installed with specified dieless tools
** UL Listed 900kcmil compact Al
Tested to UL 486A/B, UL File E6207

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Stacking Adaptor
For Compression Lugs

RoHS Compliant

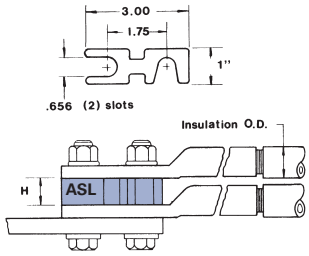
UL LISTED 453G

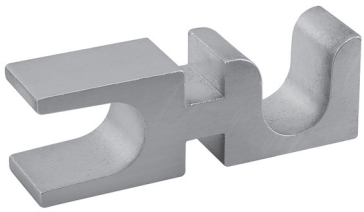
A

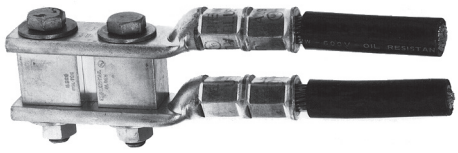
TYPE
ASL

Features
- Electro-tin plated
- Manufactured from high strength aluminum alloy
- Two sizes cover a wire range from 750 kcmil-1/0
- Unique design
- Versatile
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90˚ C

Benefits
- Provides low contact resistance
- Can be used with both aluminum and copper terminals
- Permits inventories to be kept to a minimum
- Allows vertical stacking to minimize space requirements
- Can be used with copper and/or aluminum connectors
- Application versatility







Catalog Number	Wire Range	Insulation O.D.	H
ASL-250	250kcmil-1/0	55/64	3/4
ASL-750	750kcmil-1/0	1-3/8	1-1/4

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

FLEX2CODE™ Pin Adaptors
Conductor Range 1000kcmil - 6AWG

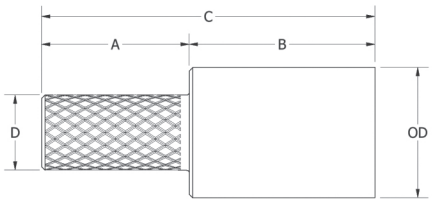
RoHS Compliant

c UL us LISTED 453G

A TYPE **F2C**

Features
- All copper adaptor design
- Compact design, smallest in the industry
- Only requires one crimp
- Certified with ILSCO and major competitor's tools
- Supplied with insulating cover
- UL486A/B Listed for 600V, 90° C
- UL467 Listed for direct bury 500 kcmil - 6 AWG
- Color coded
- Chamfered entry
- Electro-tin plated

Benefits
- Allows flex conductors to be used with equipment rated for code conductors
- Saves space inside electrical panels
- Saves installation time
- Reduces inventory requirements
- Insulates conductor surface
- Ensures reliability
- For grounding and bonding applications
- Identifies the proper compression die
- For easy conductor insertion
- Provides low contact resistance



Front Back

Catalog Number	Pin Size	Flex Conductor Range	Expanded Conductor Range Class B/C Only	Dimensions				Die Color	Die Index	Cover	O.D.
				A	B	C	D				
F2C-4-4	#4	#4 FLEX	3-6 AWG	.750	1.075	1.825	.204	White	I-29	PCC-2	.375
F2C-2-2	#2	#2 FLEX	1-6 AWG	.750	1.138	1.880	.258	Green	I-37	PCC-3	.468
F2C-1-1	#1	#1 FLEX	1/0-6 AWG	.750	1.138	1.880	.289	Pink	I-42	PCC-4	.515
F2C-1/0-1/0	1/0	1/0 FLEX	2/0-4 AWG	.870	1.200	2.070	.325	Black	I-45	PCC-5	.562
F2C-2/0-2/0	2/0	2/0 FLEX	3/0 - 2 AWG	.870	1.263	2.133	.365	Orange	I-50	PCC-5	.609
F2C-3/0-3/0	3/0	3/0 FLEX	4/0 - 1 AWG	.900	1.263	2.163	.410	Purple	I-54	PCC-6	.687
F2C-4/0-4/0	4/0	4/0 FLEX	250 kcmil - 1/0 AWG	1.000	1.325	2.325	.460	Yellow	I-62	PCC-7	.750
F2C-250-250	250 kcmil	250 G,H FLEX	300 kcmil - 2/0 AWG	1.100	1.325	2.425	.500	White	I-66	PCC-7	.812
F2C-262-250	250 kcmil	250 I,K,M FLEX 262.2 DLO	350 kcmil - 3/0 AWG	1.100	1.388	2.488	.500	Red	I-71	PCC-8	.890
F2C-313-350	350 kcmil	300 FLEX 313.1 DLO	400 kcmil - 4/0 AWG	1.250	1.450	2.700	.592	Blue	I-76	PCC-9	.937
F2C-373-350	350 kcmil	350 FLEX 373.7 DLO	500 kcmil - 250 kcmil	1.250	1.638	2.888	.592	Brown	I-87	PCC-9	1.062
F2C-444-500	500 kcmil	400 FLEX 444.4 DLO	600 kcmil - 250 kcmil	1.500	1.638	3.138	.707	Green	I-94	PCC-10	1.187
F2C-535-500	500 kcmil	500 FLEX 535.3 DLO	700 kcmil - 350 kcmil	1.500	1.888	3.388	.707	Pink	I-99	PCC-11	1.250
F2C-646-600	600 kcmil	600 FLEX 646.4 DLO	750 kcmil - 500 kcmil	1.500	1.888	3.388	.775	Black	I-106	PCC-12	1.313
F2C-777-750	750 kcmil	750 FLEX 777.7 DLO	1000 kcmil - 750 kcmil	1.700	2.138	3.838	.866	White	I-125	PCC-12	1.500

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Expanded conductor ranges only valid when installed with specified dieless tools
Unless otherwise noted FLEX includes G,H,I,K,M and DLO
Tested to UL486A/B, UL File #E6252
Tested to UL467, UL File E34440 (500kcmil - 6 AWG only)

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Copper Pigtail Adaptor
Dual Rated
Conductor Range: 3/0-#6

RoHS Compliant

UL LISTED 941R

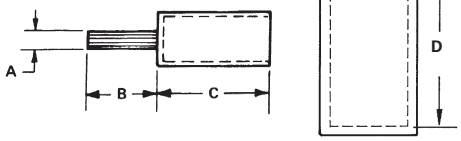
SA LR-29601

A

TYPE
CPM

Features
- Barrel manufactured from high strength aluminum alloy
- Pigtail manufactured from high conductivity copper
- Chamfered barrel
- UL Listed and CSA Certified for 600 volts, 90˚ C
- Clearly marked with wire size and die index for ILSCO tools, proper number and location of crimps
- Prefilled with DE-OX
- Color coded end caps inserted in barrel
- Supplied with insulating cover
- Rated for full ampacity of incoming conductor

Benefits
- Allows insertion into equipment supplied with either copper or aluminum connectors
- Provides maximum conductivity and excellent crimping characteristics
- Provides easy conductor insertion
- Ensures reliability for copper and aluminum conductors
- Provides easy identification and tooling recommendation
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Eliminates taping



Catalog Number	Wire Size	Die Color	Copper Pin Size	Dimensions				O.D.	I.D.	Cover Part Numbers
				A	B	C	D (Cover)			
CPM-6	6	Orange	8	1/8	7/8	1-11/32	1-11/16	21/32	3/16	CCC-1
CPM-4	4	Orange	6	3/16	7/8	1-11/32	1-11/16	21/32	1/4	CCC-1
CPM-2	2	Orange	4	15/64	7/8	1-11/32	1-11/16	21/32	5/16	CCC-1
CPM-1	1	Orange	3	17/64	1	1-11/32	1-11/16	21/32	23/64	CCC-1
CPM-I/0	1/0	White	2	19/64	1-1/4	1-19/32	2-3/32	29/32	25/64	CCC-2
CPM-2/0	2/0	White	1	11/32	1-1/4	1-19/32	2-3/32	29/32	7/16	CCC-2
CPM-3/0	3/0	White	1/0	3/8	1-3/8	1-7/8	2-3/32	29/32	1/2	CCC-2

Tooling Information

Catalog Number	ILSCO			Burndy				Thomas & Betts			Color Guide
	ILC-12-N ILSC-12H-N Die No. No. of Crimps	ILCB-12-N ILCB-12-LIO Die No. No. of Crimps	ILC-15H Die No. No. of Crimps	7-46 Die Index No. of Crimps	7-35 Die Index No. of Crimps	7-39 Die Index No. of Crimps	7-45 Die Index No. of Crimps	13642 12 Ton Die Index No. of Crimps	TBM 15 15 Ton Die Index No. of Crimps	21940 40 Ton Die Index No. of Crimps	
CPM-6	ILD-9 (3)	ILD-9 (3)	ILD-9 (3)	297 (2)	297 (2)	297 (2)	297 (2)	50 (2)	50 (2)	50 (2)	Orange
CPM-4	ILD-9 (3)	ILD-9 (3)	ILD-9 (3)	297 (2)	297 (2)	297 (2)	297 (2)	50 (2)	50 (2)	50 (2)	Orange
CPM-2	ILD-9 (3)	ILD-9 (3)	ILD-9 (3)	297 (2)	297 (2)	297 (2)	297 (2)	50 (2)	50 (2)	50 (2)	Orange
CPM-1	ILD-9 (3)	ILD-9 (3)	ILD-9 (3)	297 (2)	297 (2)	297 (2)	297 (2)	50 (2)	50 (2)	50 (2)	Orange
CPM-1/0	ILD-12 (1)	ILD-12 (1)	ILD-12 (1)	324 (2)	324 (2)	324 (2)	324 (2)	76H (4)	76 (2)	76 (2)	White
CPM-2/0	ILD-12 (1)	ILD-12 (1)	ILD-12 (1)	324 (2)	324 (2)	324 (2)	324 (2)	76H (4)	76 (2)	76 (2)	White
CPM-3/0	ILD-12 (1)	ILD-12 (1)	ILD-12 (1)	324 (2)	324 (2)	324 (2)	324 (2)	76H (4)	76 (2)	76 (2)	White

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Dieless crimp tools must not be used to crimp CPM/CPML adapters. See stuffer sheet for complete information on tooling.
Tested to UL 486A/B, UL File E62525

Copper Pigtail Adaptor
Dual Rated
Conductor Range: 600kcmil-4/0

RoHS Compliant

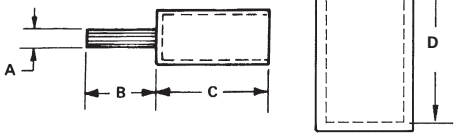
UL LISTED 941R

CSA LR-29601

A TYPE **CPM**

Features
- Barrel manufactured from high strength aluminum alloy
- Pigtail manufactured from high conductivity copper
- Chamfered barrel
- UL Listed and CSA Certified for 600 volts, 90˚ C
- Clearly marked with wire size and die index for ILSCO tools, proper number and location of crimps
- Prefilled with DE-OX
- Color coded end caps inserted in barrel
- Supplied with insulating cover
- Rated for full ampacity of incoming conductor

Benefits
- Allows insertion into equipment supplied with either copper or aluminum connectors
- Provides maximum conductivity and excellent crimping characteristics
- Provides easy conductor insertion
- Ensures reliability for copper and aluminum conductors
- Provides easy identification and tooling recommendation
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Eliminates taping



Catalog Number	Wire Size	Die Color	Copper Pin Size	Dimensions A	B	C	D (Cover)	O.D.	I.D.	Cover Part Numbers
CPM-4/0	4/0	White	2/0	13/32	1-3/8	1-7/8	2-3/32	29/32	9/16	CCC-2
CPM-250	250kcmil	Brown	3/0	15/32	1-1/2	2-1/16	2-27/32	1-5/32	39/64	CCC-3
CPM-300	300kcmil	Brown	4/0	17/32	1-5/8	2-1/16	2-27/32	1-5/32	21/32	CCC-3
CPM-350	350kcmil	Brown	4/0	17/32	1-5/8	2-1/16	2-27/32	1-5/32	23/32	CCC-3
CPM-400	400kcmil	Pink	250kcmil	37/64	1-7/8	2-3/32	2-13/32	1-3/8	49/64	CCC-4
CPM-500	500kcmil	Pink	350kcmil	11/16	1-7/8	2-3/32	2-13/32	1-3/8	55/64	CCC-4
CPM-600	600kcmil	Yellow	350kcmil	11/16	1-7/8	2-3/4	3-3/32	1-1/2	59/64	CCC-5

Tooling Information

Catalog Number	ILSCO: ILC-12-N ILSC-12H-N Die No. No. of Crimps	ILSCO: ILCB-12-N ILCB-12-LIO Die No. No. of Crimps	ILSCO: ILC-15H Die No. No. of Crimps	Burndy: 7-46 Die Index No. of Crimps	Burndy: 7-35 Die Index No. of Crimps	Burndy: 7-39 Die Index No. of Crimps	Burndy: 7-45 Die Index No. of Crimps	Thomas & Betts: 13642 12 Ton Die Index No. of Crimps	Thomas & Betts: TBM 15 15 Ton Die Index No. of Crimps	Thomas & Betts: 21940 40 Ton Die Index No. of Crimps	Color Guide
CPM-4/0	ILD-12 (1)	ILD-12 (1)	ILD-12 (1)	324 (2)	324 (2)	324 (2)	324 (2)	76H (4)	76 (2)	76 (2)	White
CPM-250	ILD-14 (2*)	ILD-14 (2*)	ILD-14 (2*)	299 (2*)	299 (2*)	299 (2*)	299 (2*)	87H (2)	87H (2)	87 (1)	Brown
CPM-300	ILD-14 (2*)	ILD-14 (2*)	ILD-14 (2*)	299 (2*)	299 (2*)	299 (2*)	299 (2*)	87H (2)	87H (2)	87 (1)	Brown
CPM-350	ILD-14 (2*)	ILD-14 (2*)	ILD-14 (2*)	299 (2*)	299 (2*)	299 (2*)	299 (2*)	87H (2)	87H (2)	87 (1)	Brown
CPM-400	ILD-16A (2*)	ILD-16A (2*)	ILD-16A (2*)	300 (3)	300 (3)	300 (3)	300 (3)	106H (2)	106 (1)	106 (1)	Pink
CPM-500	ILD-16A (2*)	ILD-16A (2*)	ILD-16A (2*)	300 (3)	300 (3)	300 (3)	300 (3)	106H (2)	106 (1)	106 (1)	Pink
CPM-600	ILD-18 (3)	ILD-18 (3)	ILD-18 (3)	936 (3)	936 (3)	936 (3)	936 (3)	115H (3)	115H (3)	115 (2)	Yellow

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*Overlap Crimps Dieless crimp tools must not be used to crimp CPM/CPML adapters. See stuffer sheet for complete information on tooling.
Tested to UL 486A/B, UL File E62525

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Copper Pigtail Adaptor
Dual Rated
Conductor Range: 750kcmil-500kcmil

RoHS Compliant

UL LISTED 941R

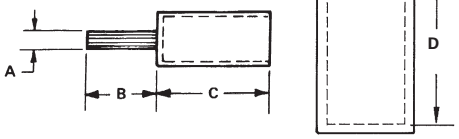
SA LR-29601

A

TYPE
CPM
CPML

Features
- Barrel manufactured from high strength aluminum alloy
- Pigtail manufactured from high conductivity copper
- Chamfered barrel
- UL Listed and CSA Certified for 600 volts, 90˚ C
- Clearly marked with wire size and die index for ILSCO tools, proper number and location of crimps
- Prefilled with DE-OX
- Color coded end caps inserted in barrel
- Supplied with insulating cover
- Rated for full ampacity of incoming conductor

Benefits
- Allows insertion into equipment supplied with either copper or aluminum connectors
- Provides maximum conductivity and excellent crimping characteristics
- Provides easy conductor insertion
- Ensures reliability for copper and aluminum conductors
- Provides easy identification and tooling recommendation
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Eliminates taping



Catalog Number	Wire Size	Die Color	Copper Pin Size	Dimensions				O.D.	I.D.	Cover Part Numbers
				A	B	C	D (Cover)			
CPM-750	750kcmil-700kcmil	Yellow	500kcmil	13/16	2	2-3/4	3-3/32	1-1/2	1-1/32	CCC-5
CPML-500	500kcmil	Pink	350kcmil	11/16	3	2-3/32	2-13/32	1-3/8	55/64	CCC-4
CPML-600	600kcmil	Yellow	350kcmil	11/16	3	2-3/4	3-3/32	1-1/2	59/64	CCC-5
CPML-750	750kcmil-700kcmil	Yellow	500kcmil	13/16	3	2-3/4	3-3/32	1-1/2	1-1/32	CCC-5

Tooling Information

Catalog Number	ILSCO			Burndy				Thomas & Betts			Color Guide
	ILC-12-N ILSC-12H-N Die No. No. of Crimps	ILCB-12-N ILCB-12-LIO Die No. No. of Crimps	ILC-15H Die No. No. of Crimps	7-46 Die Index No. of Crimps	7-35 Die Index No. of Crimps	7-39 Die Index No. of Crimps	7-45 Die Index No. of Crimps	13642 12 Ton Die Index No. of Crimps	TBM 15 15 Ton Die Index No. of Crimps	21940 40 Ton Die Index No. of Crimps	
CPM-750	ILD-18 (3)	ILD-18 (3)	ILD-18 (3)	936 (3)	936 (3)	936 (3)	936 (3)	115H (3)	115H (3)	115 (2)	Yellow
CPML-500	ILD-16A (2*)	ILD-16A (2*)	ILD-16A (2*)	300 (3)	300 (3)	300 (3)	300 (3)	106H (2)	106 (1)	106 (1)	Pink
CPML-600	ILD-18 (3*)	ILD-18 (3*)	ILD-18 (3*)	936 (3)	936 (3)	936 (3)	936 (3)	115H (3)	115H (3)	115 (2)	Yellow
CPML-750	ILD-18 (3*)	ILD-18 (3*)	ILD-18 (3*)	936 (3)	936 (3)	936 (3)	936 (3)	115H (3)	115H (3)	115 (2)	Yellow

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*Overlap Crimps
Dieless crimp tools must not be used to crimp CPM/CPML adaptors.
See stuffer sheet for complete information on tooling.
Tested to UL 486A/B, UL File E62525

Aluminum Pigtail Adaptor
Dual Rated
Conductor Range: 2/0-#6

RoHS Compliant

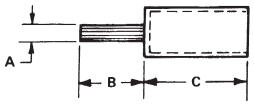
UL LISTED 941R

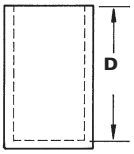
CSA LR-29601

A TYPE **ACM**

Features
- Manufactured from high strength aluminum alloy
- Pin is knurled
- Chamfered barrel
- UL Listed and CSA Certified for 600 volts, 90˚ C
- Clearly marked with wire size and die index for ILSCO tools, proper number and location of crimps
- Prefilled with DE-OX®
- Color coded end caps inserted in barrel
- Supplied with insulating cover

Benefits
- Provides maximum conductivity and excellent crimping characteristics
- Permits greater surface contact
- Provides easy conductor insertion
- Ensures reliability for aluminum or copper conductors
- Provides easy identification and tooling recommendation
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Eliminates taping





Catalog Number	Wire Size	Die Color	Copper Pin Size	Dimensions				O.D.	I.D.	Cover Part Numbers
				A	B	C	D (Cover)			
ACM-6	6	Tan	#4	7/32	11/16	1-13/64	1-3/4	39/64	3/16	ACC-1
ACM-4	4	Tan	#4	1/4	11/16	1-13/64	1-3/4	39/64	1/4	ACC-1
ACM-2	2	Tan	#4	1/4	11/16	1-13/64	1-3/4	39/64	5/16	ACC-1
ACM-1	1	Tan	#3	17/64	27/32	1-13/64	1-3/4	39/64	23/64	ACC-1
ACM-1/0	1/0	White	#2	19/64	27/32	1-3/8	2	55/64	25/64	ACC-4/0
ACM-2/0	2/0	White	#1	11/32	27/32	1-3/8	2	55/64	7/16	ACC-4/0

Tooling Information

Catalog Number	ILSCO				Burndy						Thomas & Betts		Color Guide
	ILC-12-N ILSC-12H-N Die No. No. of Crimps	ILCB-12-N ILCB-12-LIO Die No. No. of Crimps	ILC-15H Die No. No. of Crimps	IDT-12-N Die No. No. of Crimps	Y750 Family Die Index No. of Crimps	Y-35 Die Index No. of Crimps	Y-39 Die Index No. of Crimps	Y-45 Die Index No. of Crimps	7-46 Die Index No. of Crimps	Y644M Dieless No. of Crimps	13642 12 Ton Die Index No. of Crimps	13100A 15 Ton Die Index No. of Crimps	
ACM-6	ILD-8 (1)	ILD-8 (1)	ILD-8 (1)	(1)	296 (1)	296 (1)	296 (1)	296 (1)	296 (1)	(1)	45H Gold (2)	45H Gold (2)	Tan
ACM-4	ILD-8 (1)	ILD-8 (1)	ILD-8 (1)	(1)	296 (1)	296 (1)	296 (1)	296 (1)	296 (1)	(1)	45H Gold (2)	45H Gold (2)	Tan
ACM-2	ILD-8 (1)	ILD-8 (1)	ILD-8 (1)	(1)	296 (1)	296 (1)	296 (1)	296 (1)	296 (1)	(1)	45H Gold (2)	45H Gold (2)	Tan
ACM-1	ILD-8 (1)	ILD-8 (1)	ILD-8 (1)	(1)	296 (1)	296 (1)	296 (1)	296 (1)	296 (1)	(1)	45H Gold (2)	45H Gold (2)	Tan
ACM-1/0	ILD-12 (1)	ILD-12 (1)	ILD-12 (1)	(1)	298 (2*)	298 (2*)	298 (2*)	298 (2*)	298 (2*)	(1)	66H (2)	66H (2)	White
ACM-2/0	ILD-12 (1)	ILD-12 (1)	ILD-12 (1)	(1)	298 (2*)	298 (2*)	298 (2*)	298 (2*)	298 (2*)	(2*)	66H (2)	66H (2)	White

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*Overlap Crimps
See stuffer sheet for complete information on tooling.
Tested to UL 486A/B, UL File E62525

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Aluminum Pigtail Adaptor
Dual Rated
Conductor Range: 400kcmil-3/0

RoHS Compliant

UL LISTED 941R

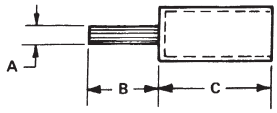
SA LR-29601

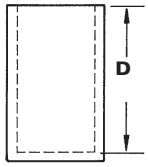
A

TYPE
ACM

Features
- Manufactured from high strength aluminum alloy
- Pin is knurled
- Chamfered barrel
- UL Listed and CSA Certified for 600 volts, 90˚ C
- Clearly marked with wire size and die index for ILSCO tools, proper number and location of crimps
- Prefilled with DE-OX®
- Color coded end caps inserted in barrel
- Supplied with insulating cover

Benefits
- Provides maximum conductivity and excellent crimping characteristics
- Permits greater surface contact
- Provides easy conductor insertion
- Ensures reliability for aluminum or copper conductors
- Provides easy identification and tooling recommendation
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Eliminates taping





Catalog Number	Wire Size	Die Color	Copper Pin Size	Dimensions				O.D.	I.D.	Cover Part Numbers
				A	B	C	D (Cover)			
ACM-3/0	3/0	White	1/0	3/8	1-7/32	1-3/8	2	55/64	1/2	ACC-4/0
ACM-4/0	4/0	White	2/0	27/64	1-7/32	1-3/8	2	55/64	35/64	ACC-4/0
ACM-250	250kcmil	Brown	3/0	15/32	1-7/32	1-13/32	2-1/4	1-7/64	39/64	ACC-350
ACM-300	300kcmil	Brown	4/0	17/32	1-11/32	1-13/32	2-1/4	1-7/64	21/32	ACC-350
ACM-350	350kcmil	Brown	250kcmil	37/64	1-11/32	1-13/32	2-1/4	1-7/64	23/32	ACC-350
ACM-400	400kcmil	Pink	300kcmil	5/8	1-39/64	2-1/32	3-1/4	1-21/64	49/64	ACC-500

Tooling Information

Catalog Number	ILSCO				Burndy						Thomas & Betts		Color Code
	ILC-12-N ILSC-12H-N Die No. No. of Crimps	ILCB-12-N ILCB-12-LIO Die No. No. of Crimps	ILC-15H Die No. No. of Crimps	IDT-12-N Die No. No. of Crimps	Y750 Family Die Index No. of Crimps	Y-35 Die Index No. of Crimps	Y-39 Die Index No. of Crimps	Y-45 Die Index No. of Crimps	Y-46 Die Index No. of Crimps	Y644M Dieless No. of Crimps	13642 12 Ton Die Index No. of Crimps	13100A 15 Ton Die Index No. of Crimps	
ACM-3/0	ILD-12 (1)	ILD-12 (1)	ILD-12 (1)	(1)	298 (2*)	298 (2*)	298 (2*)	298 (2*)	298 (2*)	(1)	66H (2)	66 (2)	White
ACM-4/0	ILD-12 (1)	ILD-12 (1)	ILD-12 (1)	(1)	298 (2*)	298 (2*)	298 (2*)	298 (2*)	298 (2*)	(1)	66H (2)	66H (2)	White
ACM-250	ILD-14 (1)	ILD-14 (1)	ILD-14 (1)	(1)	299 (2*)	299 (2*)	299 (2*)	299 (2*)	299 (2*)	(1)	87H (2)	87H (2)	Brown
ACM-300	ILD-14 (1)	ILD-14 (1)	ILD-14 (1)	(1)	299 (2*)	299 (2*)	299 (2*)	299 (2*)	299 (2*)	(1)	87H (2)	87H (2)	Brown
ACM-350	ILD-14 (1)	ILD-14 (1)	ILD-14 (1)	(1)	299 (2*)	299 (2*)	299 (2*)	299 (2*)	299 (2*)	(1)	87H (2)	87H (2)	Brown
ACM-400	ILD-16A (2)	ILD-16A (2)	ILD-16A (2)	(1)	300 (3)	300 (3)	300 (3)	300 (3)	300 (3)	(1)	99H (3)	99H (3)	Pink

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*Overlap Crimps
See stuffer sheet for complete information on tooling.
Tested to UL 486A/B, UL File E62525

Aluminum Pigtail Adaptor
Dual Rated
Conductor Range: 750kcmil-500kcmil

RoHS Compliant

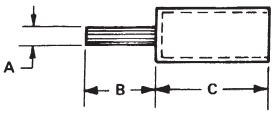
UL LISTED 941R

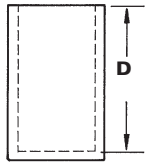
CSA LR-29601

A TYPE **ACM**

Features
- Manufactured from high strength aluminum alloy
- Pin is knurled
- Chamfered barrel
- UL Listed and CSA Certified for 600 volts, 90˚ C
- Clearly marked with wire size and die index for ILSCO tools, proper number and location of crimps
- Prefilled with DE-OX®
- Color coded end caps inserted in barrel
- Supplied with insulating cover

Benefits
- Provides maximum conductivity and excellent crimping characteristics
- Permits greater surface contact
- Provides easy conductor insertion
- Ensures reliability for aluminum or copper conductors
- Provides easy identification and tooling recommendation
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Eliminates taping





Catalog Number	Wire Size	Die Color	Copper Pin Size	Dimensions				O.D.	I.D.	Cover Part Numbers
				A	B	C	D (Cover)			
ACM-500	500kcmil	Pink	350kcmil	11/16	1-39/64	2-1/32	3-1/4	1-21/64	55/64	ACC-500
ACM-600	600kcmil	Yellow	400kcmil	47/64	1-41/64	2-1/32	3-1/4	1-15/32	59/64	ACC-750
ACM-750+	750kcmil - 700kcmil	Yellow	500kcmil	13/16	1-49/64	2-1/32	3-1/4	1-15/32	1-1/32	ACC-750

+ Coverage for 900 compact aluminum when using HK12ID & EK12ID tools only.

Tooling Information

Catalog Number	ILSCO				Burndy						Thomas & Betts		Color Guide
	ILC-12-N ILSC-12H-N Die No. No. of Crimps	ILCB-12-N ILCB-12-LIO Die No. No. of Crimps	ILC-15H Die No. No. of Crimps	IDT-12-N Die No. No. of Crimps	Y750 Family Die Index No. of Crimps	Y-35 Die Index No. of Crimps	Y-39 Die Index No. of Crimps	Y-45 Die Index No. of Crimps	7-46 Die Index No. of Crimps	Y644M Dieless No. of Crimps	13642 12 Ton Die Index No. of Crimps	13100A 15 Ton Die Index No. of Crimps	
ACM-500	ILD-16A (2)	ILD-16A (2)	ILD-16A (2)	(1)	300 (3)	300 (3)	300 (3)	300 (3)	300 (3)	(1)	99H (3)	99H (3)	Pink
ACM-600	ILD-18 (3)	ILD-18 (3)	ILD-18 (3)	(1)	936 (3)	936 (3)	936 (3)	936 (3)	936 (3)	(1)	115H (3)	115H (3)	Yellow
ACM-750+	ILD-18 (3)	ILD-18 (3)	ILD-18 (3)	(1)	936 (3)	936 (3)	936 (3)	936 (3)	936 (3)	(1)	115H (3)	115H (3)	Yellow

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*Overlap Crimps
See stuffer sheet for complete information on tooling.

Tested to UL 486A/B, UL File E62525

+ Additionally rated by UL for use with 900 kcmil compact aluminum wire when using Greenlee HK12ID or EK12ID dieless crimp tool with 1 crimp.

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Aluminum Offset Pigtail Adaptor
Dual Rated
Conductor Range: 300kcmil-2/0

RoHS Compliant

UL LISTED 941R

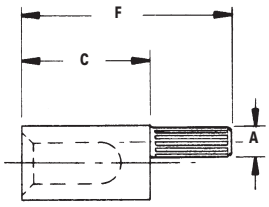
SA LR-29601

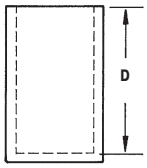
A

TYPE
ACO

Features
- Manufactured from high strength aluminum alloy
- Pin is knurled
- Pin is off center
- Chamfered barrel
- UL Listed and CSA Certified for 600 volts, 90˚ C
- Clearly marked with wire size and die index for ILSCO tools, proper number and location of crimps
- Prefilled with DE-OX®
- Color coded end caps inserted in barrel
- Supplied with insulating cover

Benefits
- Provides maximum conductivity and excellent crimping characteristics
- Permits greater surface contact
- Allows connectors to be rotated for parallel applications. Multiple conductor lugs hole spacing does NOT permit insertion of straight pin connectors
- Provides easy conductor insertion
- Ensures reliability for aluminum or copper conductors
- Provides easy identification and tooling recommendation
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Eliminates taping





Catalog Number	Wire Size	Die Color Code	Die Index	Pin Size	Dimensions				O.D.	I.D.	Cover Part Numbers
					F	C	A	D (Cover)			
ACO-2/0	2/0	White	12	#1	2-7/32	1-3/8	11/32	2	55/64	7/16	ACC-4/0
ACO-3/0	3/0	White	12	1/0	2-19/32	1-3/8	3/8	2	55/64	1/2	ACC-4/0
ACO-4/0	4/0	White	12	2/0	2-19/32	1-3/8	27/64	2	55/64	35/64	ACC-4/0
ACO-250	250kcmil	Brown	14	3/0	2-5/8 (1)	1-13/32	15/32	2-1/4	1-7/64	19/32	ACC-350
ACO-300	300kcmil	Brown	14	4/0	2-3/4	1-13/32	17/32	2-1/4	1-7/64	21/32	ACC-350

Cover and connector are packaged together (ONLY).

Tooling Information

	ILSCO				Burndy						Thomas & Betts		
Catalog Number	ILC-12-N ILC-12H-N Die No. No. of Crimps	ILCB-12-N ILCB-12-LIO Die No. No. of Crimps	ILC-15H Die No. No. of Crimps	IDT-12-N Die No. No. of Crimps	Y750 Family Die Index No. of Crimps	Y-35 Die Index No. of Crimps	Y-39 Die Index No. of Crimps	Y-45 Die Index No. of Crimps	7-46 Die Index No. of Crimps	Y644M Dieless No. of Crimps	13642 12 Ton Die Index No. of Crimps	13100A 15 Ton Die Index No. of Crimps	Color Guide
ACO-2/0	ILD-12 (1)	ILD-12 (1)	ILD-12 (1)	(1)	298 (2*)	298 (2*)	298 (2*)	298 (2*)	298 (2*)	(1)	66H (2)	66 (2)	White
ACO-3/0	ILD-12 (1)	ILD-12 (1)	ILD-12 (1)	(1)	298 (2*)	298 (2*)	298 (2*)	298 (2*)	298 (2*)	(1)	66H (2)	66 (2)	White
ACO-4/0	ILD-12 (1)	ILD-12 (1)	ILD-12 (1)	(1)	298 (2*)	298 (2*)	298 (2*)	298 (2*)	298 (2*)	(1)	66H (2)	66 (2)	White
ACO-250	ILD-14 (1)	ILD-14 (1)	ILD-14 (1)	(1)	299 (2*)	299 (2*)	299 (2*)	299 (2*)	299 (2*)	(1)	87H (2)	87 (2)	Brown
ACO-300	ILD-14 (1)	ILD-14 (1)	ILD-14 (1)	(1)	299 (2*)	299 (2*)	299 (2*)	299 (2*)	299 (2*)	(1)	87H (2)	87 (2)	Brown

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* Overlap Crimps
See stuffer sheet for complete information on tooling.

Tested to UL 486A/B, UL File E62525

Aluminum Offset Pigtail Adaptor
Dual Rated
Conductor Range: 1000kcmil-350kcmil

RoHS Compliant

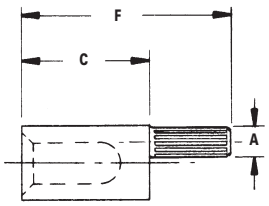
UL LISTED 941R

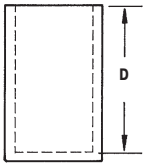
CSA LR-29601

A TYPE **ACO**

Features
- Manufactured from high strength aluminum alloy
- Pin is knurled
- Pin is off center
- Chamfered barrel
- UL Listed and CSA Certified for 600 volts, 90˚ C
- Clearly marked with wire size and die index for ILSCO tools, proper number and location of crimps
- Prefilled with DE-OX®
- Color coded end caps inserted in barrel
- Supplied with insulating cover

Benefits
- Provides maximum conductivity and excellent crimping characteristics
- Permits greater surface contact
- Allows connectors to be rotated for parallel applications. Multiple conductor lugs hole spacing does NOT permit insertion of straight pin connectors
- Provides easy conductor insertion
- Ensures reliability for aluminum or copper conductors
- Provides easy identification and tooling recommendation
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Eliminates taping





Catalog Number	Wire Size	Die Color Code	Die Index	Pin Size	Dimensions				O.D.	I.D.	Cover Part Numbers
					F	C	A	D (Cover)			
ACO-350	350kcmil	Brown	14	250kcmil	2-3/4	1-13/32	37/64	2-1/4	1-7/64	23/32	ACC-350
ACO-500	500kcmil	Pink	16A	350kcmil	3-5/8	2-1/32	11/16	3-1/4	1-21/64	55/64	ACC-500
ACO-600	600kcmil	Yellow	18	400kcmil	3-43/64	2-1/32	47/64	3-1/4	1-15/32	59/64	ACC-750
ACO-750+	750kcmil - 700kcmil	Yellow	18	500kcmil	3-51/64	2-1/32	13/16	3-1/4	1-15/32	1-1/32	ACC-750
ACO-1000*	1000kcmil - 750kcmil	-	-	600kcmil	4-1/32	2-1/32	29/32	–	1-45/64	1-3/16	–

Cover and connector are packaged together (ONLY).
+ Coverage for 900 compact aluminum when using HK12ID & EK12ID tools only.
* Not supplied with cover

Tooling Information

Catalog Number	ILSCO				Burndy						Thomas & Betts		Color Guide
	ILC-12-N ILSC-12H-N Die No. No. of Crimps	ILCB-12-N ILCB-12-LIO Die No. No. of Crimps	ILC-15H Die No. No. of Crimps	IDT-12-N Die No. No. of Crimps	Y750 Family Die Index No. of Crimps	Y-35 Die Index No. of Crimps	Y-39 Die Index No. of Crimps	Y-45 Die Index No. of Crimps	7-46 Die Index No. of Crimps	Y644M Dieless No. of Crimps	13642 12 Ton Die Index No. of Crimps	13100A 15 Ton Die Index No. of Crimps	
ACO-350	ILD-14 (1)	ILD-14 (1)	ILD-14 (1)	(1)	299 (2*)	299 (2*)	299 (2*)	299 (2*)	299 (2*)	(1)	87H (2)	87 (2)	Brown
ACO-500	ILD-16A (2)	ILD-16A (2)	ILD-16A (2)	(1)	300 (3)	300 (3)	300 (3)	300 (3)	300 (3)	(1)	99H (3)	99H (3)	Pink
ACO-600	ILD-18 (3)	ILD-18 (3)	ILD-18 (3)	(1)	936 (3)	936 (3)	936 (3)	936 (3)	936 (3)	(1)	115H (3)	115H (3)	Yellow
ACO-750+	ILD-18 (3)	ILD-18 (3)	ILD-18 (3)	(1)	936 (3)	936 (3)	936 (3)	936 (3)	936 (3)	(1)	115H (3)	115H (3)	Yellow
ACO-1000	-	-	-	(1)	-	-	-	-	-	(1)	-	-	-

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* Overlap Crimps
See stuffer sheet for complete information on tooling.
Tested to UL 486A/B, UL File E62525
+ Additionally rated by UL for use with 900 kcmil compact aluminum wire when using Greenlee HK12ID or EK12ID dieless crimp tool with 1 crimp.

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Aluminum 90˚ Pigtail Adaptor
Dual Rated
Conductor Range: 500kcmil-350kcmil

RoHS Compliant

UL LISTED 941R

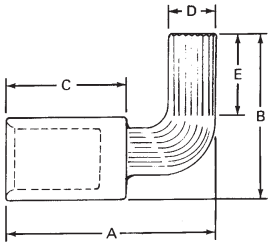
SA LR-29601

A

TYPE
ACO-90

Features
- Manufactured from high strength aluminum alloy
- Pin is bent
- Pin is knurled
- Chamfered barrel
- UL Listed and CSA Certified for 600 volts, 90˚ C
- Clearly marked with wire size and die index for ILSCO tools, proper number and location of crimps
- Prefilled with DE-OX®
- Color coded end caps inserted in barrel
- Supplied with insulating cover

Benefits
- Provides maximum conductivity and excellent crimping characteristics
- Eliminates the need to bend the conductor. Designed for use in tight applications where room for the required bending radius of the wire is not available
- Permits greater surface contact
- Provides easy conductor insertion
- Ensures reliability for aluminum or copper conductors
- Provides easy identification and tooling recommendation
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Eliminates taping



Catalog Number	Wire Size	Die Color Code	Die Index	Pin Size	A	B	C	D	E	Cover	O.D.	I.D.	Cover Part Numbers
ACO-90-350	350kcmil	Brown	14	250kcmil	2-31/64	2-11/16	1-9/64	9/16	1-21/64	2-1/4	1-7/64	23/32	ACC-350
ACO-90-500	500kcmil	Pink	16A	350kcmil	3-19/64	3-11/64	2-1/32	11/16	1-39/64	3-1/4	1-21/64	55/64	ACC-520

Cover & Connector are packaged together (ONLY).

Tooling Information

	ILSCO				Burndy						Thomas & Betts		
Catalog Number	ILC-12-N ILSC-12H-N Die No. No. of Crimps	ILCB-12-N ILCB-12-LIO Die No. No. of Crimps	ILC-15H Die No. No. of Crimps	IDT-12-N Die No. No. of Crimps	Y750 Family Die Index No. of Crimps	Y-35 Die Index No. of Crimps	Y-39 Die Index No. of Crimps	Y-45 Die Index No. of Crimps	7-46 Die Index No. of Crimps	Y644M Dieless No. of Crimps	13642 12 Ton Die Index No. of Crimps	13100A 15 Ton Die Index No. of Crimps	Color Guide
ACO-90-350	ILD-14 (1)	ILD-14 (1)	ILD-14 (2)	(1)	299 (2*)	299 (2*)	299 (2*)	299 (2*)	299 (2*)	(1)	87H (2)	87 (2)	Brown
ACO-90-500	ILD-16A (2)	ILD-16A (2)	ILD-16A (2)	(1)	300 (3)	300 (3)	300 (3)	300 (3)	300 (3)	(1)	99H (3)	99H (3)	Pink

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* Overlap Crimps
See stuffer sheet for complete information on tooling.
Tested to UL 486A/B, UL File E62525

Aluminum Compression Lugs
Dual Rated - Narrow Tang
Conductor Range: 600kcmil-4

RoHS Compliant

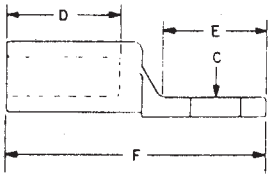
UL LISTED 453G

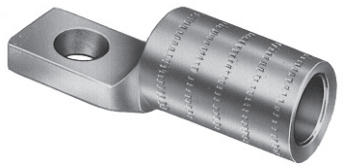
CSA LR-29601

A TYPE **IACL**

Features
- Manufactured from high strength aluminum alloy
- Four OD sizes accommodate a wire range from #4 to 600 kcmil
- Chamfered barrel
- Prefilled with DE-OX®
- Color coded end caps inserted in barrel and roll
- marked with die number and number of crimps
- Electro tin plated
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90˚ C

Benefits
- Provides maximum conductivity and excellent crimping characteristics
- Requires only four installation dies to crimp eleven conductor sizes. Tang width remains constant within an OD size and is designed to fit transformer pads.
- Provides easy conductor insertion
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Provides low contact resistance
- Ensures reliability
- Application versatility





Catalog Number	Wire Size	Wire Range When Installed With IDT-12-N Tool	Tang Width	Bolt Size	Dimensions				Ilsco Die Index	Die Color Code
					D	E	F	C		
IACL-4	4	4-6	29/32	1/2	1-7/16	1-3/32	3	9/16	9	Orange
IACL-2	2	2-6	29/32	1/2	1-7/16	1-3/32	3	9/16	9	Orange
IACL-1/0	1/0	1/0-1	29/32	1/2	1-7/16	1-3/32	3	9/16	9	Orange
IACL-2/0	2/0	2/0-1	29/32	1/2	1-7/16	1-9/32	3-3/16	9/16	12	White
IACL-3/0	3/0	3/0-1	29/32	1/2	1-7/16	1-9/32	3-3/16	9/16	12	White
IACL-4/0	4/0	4/0-1	29/32	1/2	1-7/16	1-9/32	3-3/16	9/16	12	White
IACL-250	250kcmil	250kcmil-1/0	29/32	1/2	1-7/16	1-9/32	3-3/16	9/16	12	White
IACL-300	300kcmil	300kcmil-2/0	1-1/4	1/2	1-3/4	1-5/16	3-11/16	9/16	14	Blue
IACL-350	350kcmil	350kcmil-3/0	1-1/4	1/2	1-3/4	1-5/16	3-11/16	9/16	14	Blue
IACL-500	500kcmil	500kcmil-4/0	1-1/4	1/2	1-3/4	1-5/16	3-11/16	9/16	14	Blue
IACL-600	600kcmil	600kcmil-250kcmil	1-19/32	1/2	3-3/16	1-5/8	5-3/4	9/16	18	Yellow

Tooling Information

Catalog Number	Color	ILSCO					Burndy								Thomas & Betts				Anderson
		Die Index	ILC-12-N ILC-12H-N 12 Ton	ILCB-12-N ILCB-12-LIO	ILC-15H	IDT-12-N Dieless	Die Index	Y34A	Y35	Y39	Y45	Y46	Y48B	Y644M Dieless	Die Index	13642 12	TBM 15 15	21940 40	VC-6 - Ft. Dieless No. of Crimps
IACL-4	Orange	9	(3)	(3)	(2)	(1)	297	(2)	(2)	(2)	(2)	(2)	(2)	(1)	50	(2)	(2)	(2)	(2)
IACL-2	Orange	9	(3)	(3)	(2)	(1)	297	(2)	(2)	(2)	(2)	(2)	(2)	(1)	50	(2)	(2)	(2)	(2)
IACL-1/0	Orange	9	(3)	(3)	(2)	(1)	297	(2)	(2)	(2)	(2)	(2)	(2)	(1)	50	(2)	(2)	(2)	(2)
IACL-2/0	White	12	(1)	(1)	(2)	(1)	324	(2)	(2)	(2)	(2)	(2)	(2)	(1)	71	(2)	(2)	(2)	(2)
IACL-3/0	White	12	(1)	(1)	(2)	(1)	324	(2)	(2)	(2)	(2)	(2)	(2)	(1)	71	(2)	(2)	(2)	(2)
IACL-4/0	White	12	(1)	(1)	(2)	(1)	324	(2)	(2)	(2)	(2)	(2)	(2)	(1)	71	(2)	(2)	(2)	(2)
IACL-250	White	12	(1)	(1)	(2)	(1)	324	(2)	(2)	(2)	(2)	(2)	(2)	(1)	71	(2)	(2)	(2)	(2)
IACL-300	Blue	14	(2)	(2)	(2)	(1)	299	-	(2)	(2)	(2)	(2)	(2)	(1)	87	(2)	(2)	(2)	(2)
IACL-350	Blue	14	(2)	(2)	(2)	(1)	299	-	(2)	(2)	(2)	(2)	(2)	(1)	87	(2)	(2)	(2)	(2)
IACL-500	Blue	14	(2)	(2)	(2)	(1)	299	-	(2)	(2)	(2)	(2)	(2)	(1)	87	(2)	(2)	(2)	(2)
IACL-600	Yellow	18	(3)	(3)	(3)	(1)	936	-	-	(3)	(3)	(3)	(3)	(1)	115	(3)	(3)	(3)	-

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
See stuffer sheet for complete information on tooling.
Tested to UL 486A/B, UL File E6207

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Aluminum Compression Lugs
Dual Rated - Narrow Tang
Conductor Range: 1000kcmil-1/0

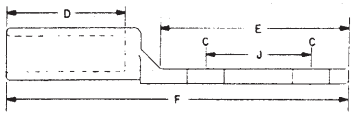
RoHS Compliant | UL LISTED 453G | SA LR-29601

A

TYPE
2IACL

Features
- Manufactured from high strength aluminum alloy
- Four OD sizes accommodate a wire range from 1/0 to 1000 kcmil
- Chamfered barrel
- Prefilled with DE-OX®
- Color coded end caps inserted in barrel and roll
- marked with die number and number of crimps
- Electro tin plated
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits
- Provides maximum conductivity and excellent crimping characteristics
- Requires only four installation dies to crimp eleven conductor sizes. Tang width remains constant within an OD size and is designed to fit transformer pads.
- Provides easy conductor insertion
- Prevents oxides from forming
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die
- Provides low contact resistance
- Ensures reliability
- Application versatility



Catalog Number	Wire Size	Wire Range When Installed With IDT-12-N Tool	Tang Width	Bolt Size	Dimensions					Ilsco Die Index	Die Color Code
					D	E	F	C	J		
2IACL-1/0	1/0	1/0-1	1	1/2	1-1/2	3-1/4	5-3/16	9/16(2)	1-3/4	9	Orange
2IACL-2/0	2/0	2/0-1	1-1/4	1/2	1-7/8	3-1/4	5-3/4	9/16(2)	1-3/4	12	White
2IACL-3/0	3/0	3/0-1	1-1/4	1/2	1-7/8	3-1/4	5-3/4	9/16(2)	1-3/4	12	White
2IACL-4/0	4/0	4/0-1	1-1/4	1/2	1-7/8	3-1/4	5-3/4	9/16(2)	1-3/4	12	White
2IACL-250	250kcmil	250kcmil-1/0	1-1/4	1/2	1-7/8	3-1/4	5-3/4	9/16(2)	1-3/4	12	White
2IACL-300	300kcmil	300kcmil-2/0	1-1/4	1/2	2-3/8	3-1/4	6	9/16(2)	1-3/4	14	Blue
2IACL-350	350kcmil	350kcmil-3/0	1-1/4	1/2	2-3/8	3-1/4	6	9/16(2)	1-3/4	14	Blue
2IACL-500	500kcmil	500kcmil-4/0	1-1/4	1/2	2-3/8	3-1/4	6	9/16(2)	1-3/4	14	Blue
2IACL-600	600kcmil	600kcmil-250kcmil	1-39/64	1/2	3-3/16	3-1/4	7	9/16(2)	1-3/4	18	Yellow
2IACL-750	750kcmil	750kcmil-500kcmil	1-39/64	1/2	3-3/16	3-1/4	7-1/4	9/16(2)	1-3/4	18	Yellow
2IACL-1000	1000kcmil	1000kcmil-750kcmil	1-39/64	1/2	3-3/16	3-1/4	7-1/4	9/16(2)	1-3/4	18	Yellow

Tooling Information

Catalog Number	Color	ILSCO					Burndy								Thomas & Betts				Anderson
		Die Index	ILC-12-N ILC-12H-N 12 Ton	ILCB-12-N ILCB-12-LIO	ILC-15H	IDT-12-N Dieless	Die Index	Y34A	Y35	Y39	Y45	Y46	Y48B	Y644M Dieless	Die Index	13642 12	TBM 15 15	21940 40	VC-6 - Ft. Dieless No. of Crimps
2IACL-1/0	Orange	9	(3)	(3)	(2)	(1)	297	(2)	(2)	(2)	(2)	(2)	(2)	(1)	50	(2)	(2)	(2)	(2)
2IACL-2/0	White	12	(1)	(1)	(2)	(1)	324	(2)	(2)	(2)	(2)	(2)	(2)	(1)	71	(2)	(2)	(2)	(2)
2IACL-3/0	White	12	(1)	(1)	(2)	(1)	324	(2)	(2)	(2)	(2)	(2)	(2)	(1)	71	(2)	(2)	(2)	(2)
2IACL-4/0	White	12	(1)	(1)	(2)	(1)	324	(2)	(2)	(2)	(2)	(2)	(2)	(1)	71	(2)	(2)	(2)	(2)
2IACL-250	White	12	(1)	(1)	(2)	(1)	324	(2)	(2)	(2)	(2)	(2)	(2)	(1)	71	(2)	(2)	(2)	(2)
2IACL-300	Blue	14	(2)	(2)	(2)	(1)	299	-	(2)	(2)	(2)	(2)	(2)	(1)	87	(2)	(2)	(2)	(2)
2IACL-350	Blue	14	(2)	(2)	(2)	(1)	299	-	(2)	(2)	(2)	(2)	(2)	(1)	87	(2)	(2)	(2)	(2)
2IACL-500	Blue	14	(2)	(2)	(2)	(1)	299	-	(2)	(2)	(2)	(2)	(2)	(1)	87	(2)	(2)	(2)	(2)
2IACL-600	Yellow	18	(3)	(3)	(3)	(1)	936	-	-	(3)	(3)	(3)	(3)	(1)	115	(3)	(3)	(3)	-
2IACL-750	Yellow	18	(3)	(3)	(3)	(1)	936	-	-	(3)	(3)	(3)	(3)	(1)	115	(3)	(3)	(3)	-
2IACL-1000	Yellow	18	-	-	(3)	(1)	936	-	-	(3)	(3)	(3)	(3)	(1)	115	(3)	(3)	(3)	-

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
See stuffer sheet for complete information on tooling.
Tested to UL 486A/B, UL File E6207

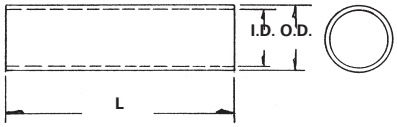
Aluminum Compression Sleeves
Utility Type

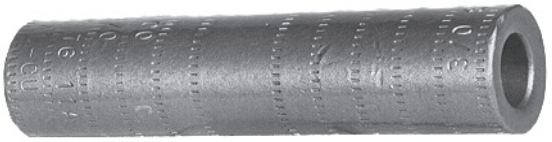
RoHS Compliant

A TYPE **UCS**

Features
- Manufactured from high strength aluminum alloy, 90° C
- Four OD sizes accommodate a wire range from 1000kcmil to #4
- Chamfered barrel
- Prefilled with DE-OX®
- Solid barrier in center
- Color coded end caps inserted in barrel

Benefits
- Provides maximum conductivity and excellent crimping characteristics
- Requires only four installation dies to crimp fourteen conductor sizes.
- Provides easy conductor insertion
- Prevents oxides from forming
- Prevents dissimilar metals from coming into contact
- Prevents foreign materials from entering the connector prior to usage and color code identifies the proper compression die





Catalog Number	Wire Range	Dimensions			Installing Dies	Die Index
		L	O.D.	I.D.		
UCS-4-Z	4	3"	41/64	9/32	BG, 5/8, 8A	9
UCS-2-Z	2	3"	41/64	11/32	BG, 5/8, 8A	9
UCS-1/0-Z	1/0	3"	41/64	27/64	BG, 5/8, 8A	9
UCS-2/0-Z	2/0	4"	29/32	7/16	249, 840, TX, 76, 11A	13
UCS-3/0-Z	3/0	4"	29/32	1/2	249, 840, TX, 76, 11A	13
UCS-4/0-Z	4/0	4"	29/32	9/16	249, 840, TX, 76, 11A	13
UCS-250-Z	250kcmil	4"	29/32	19/32	249, 840, TX, 76, 11A	13
UCS-300-Z	300kcmil	5"	1-5/32	21/32	299, 655, 705, 1-1/8, 13A	14
UCS-350-Z	350kcmil	5"	1-5/32	45/64	299, 655, 705, 96, 1-1/8, 13A	14
UCS-500-Z	500kcmil	5"	1-5/32	27/32	299, 655, 705, 96, 1-1/8, 13A	14
UCS-600-Z	600kcmil	6"	1-39/64	59/64	301, 1-1/2, 140	18
UCS-700/750-Z	750kcmil - 700kcmil	6"	1-39/64	1-1/32	301, 1-1/2, 140, 72H	18
UCS-1000-Z	1000kcmil	7"	1-39/64	1-3/16	301, 1-1/2, 140, 72H	18

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

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Insulated Aluminum Service Entrance Sleeves

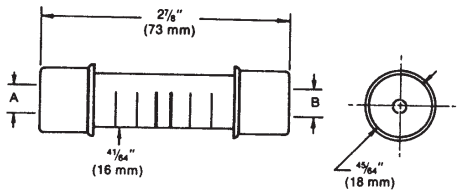
RoHS Compliant

A

TYPE
PICS

Features
- Pre-insulated
- Concave polyethylene end caps
- Dual rated
- Meets ANSI C119.4 requirements
- RUS Listed
- Die Index 5/8 or BG
-

Benefits
- Fast, easy installation
- Seal out dirt but are easily pierced when inserting conductor
- For use with aluminum-aluminum and aluminum-copper conductors
- Ensures reliability



Catalog Number	End "A" Conductor Range ACSR	AWG	Diameter max.	Diameter min.	Color Code	End "A" Conductor Range ACSR	AWG	Diameter max.	Diameter min.	Die Color Code
PICS-61	-	6 sol - 8 str	0.162	0.144	Green	-	6 sol - 8 str	0.162	0.144	Green
PICS-62	6	4 sol - 6 str	0.204	0.184	Blue	-	8 sol - 10 str	0.128	0.114	Brown
PICS-63	6	4 sol - 6 str	0.204	0.184	Blue	-	6 sol - 8 str	0.162	0.144	Green
PICS-64	6	4 sol - 6 str	0.204	0.184	Blue	6	4 sol - 6 str	0.204	0.184	Blue
PICS-65	4	2 sol - 3-4 str	0.258	0.213	Orange	-	8 sol - 10 str	0.128	0.114	Brown
PICS-66	4	2 sol - 3-4 str	0.258	0.213	Orange	-	6 sol - 8 str	0.162	0.144	Green
PICS-67	4	2 sol - 3-4 str	0.258	0.213	Orange	6	4 sol - 6 str	0.204	0.184	Blue
PICS-68	4	2 sol - 3-4 str	0.258	0.213	Orange	4	2 sol - 3-4 str	0.258	0.213	Orange
PICS-70	2	1-2 str	0.328	0.268	Red	-	6 sol - 8 str	0.162	0.144	Green
PICS-71	2	1-2 str	0.328	0.268	Red	6	4 sol - 6 str	0.204	0.184	Blue
PICS-72	2	1-2 str	0.328	0.268	Red	4	2 sol - 3-4 str	0.258	0.213	Orange
PICS-73	2	1-2 str	0.328	0.268	Red	2	1-2 str	0.328	0.268	Red
PICS-75	1/0	1/0	0.398	0.368	Yellow	6	4 sol - 6 str	0.204	0.184	Blue
PICS-76	1/0	1/0	0.398	0.368	Yellow	4	2 sol - 3-4 str	0.258	0.213	Orange
PICS-77	1/0	1/0	0.398	0.368	Yellow	2	2-1 str	0.328	0.268	Red
PICS-78	1/0	1/0	0.398	0.368	Yellow	-	1/0	0.398	0.368	Yellow

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

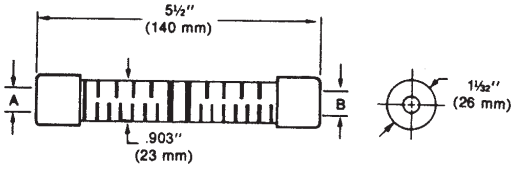
Insulated Aluminum Service Entrance Sleeves

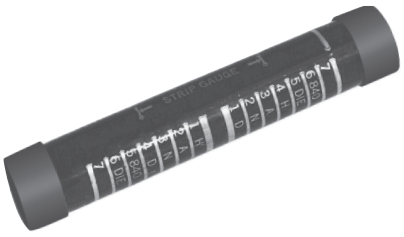
RoHS Compliant

A TYPE **P840**

Features
- Pre-insulated
- Concave polyethylene end caps
- Dual rated
- Meets ANSI C119.4 requirements
- RUS Listed
- Die Index 840

Benefits
- Fast, easy installation
- Seal out dirt but are easily pierced when inserting conductor
- For use with aluminum-aluminum and aluminum-copper conductors
- Ensures reliability





Catalog Number	End "A" Conductor Range ACSR	AWG	Diameter max.	Diameter min.	Color Code	End "A" Conductor Range ACSR	AWG	Diameter max.	Diameter min.	Die Color Code
PICS-834	1/0	2/0 (compact) or 1/0	0.398	0.365	Yellow	4	2 sol - 3-4 str	0.258	0.213	Orange
PICS-835	1/0	2/0 (compact) or 1/0	0.398	0.365	Yellow	2	1-2 str	0.328	0.268	Red
PICS-836	1/0	2/0 (compact) or 1/0	0.398	0.365	Yellow	1/0	2/0 (compact) or 1/0	0.398	0.365	Yellow
PICS-844	2/0	3/0 (compact) or 2/0	0.448	0.414	Gray	4	2 sol - 3-4 str	0.258	0.213	Orange
PICS-845	2/0	3/0 (compact) or 2/0	0.448	0.414	Gray	2	1-2 str	0.328	0.268	Red
PICS-846	2/0	3/0 (compact) or 2/0	0.448	0.414	Gray	1/0	2/0 (compact) or 1/0	0.398	0.365	Yellow
PICS-847	2/0	3/0 (compact) or 2/0	0.448	0.414	Gray	2/0	3/0 (compact) or 2/0	0.448	0.414	Gray
PICS-854	3/0	4/0 (compact) or 3/0	0.502	0.464	Black	4	2 sol - 3-4 str	0.258	0.213	Orange
PICS-855	3/0	4/0 (compact) or 3/0	0.502	0.464	Black	2	1-2 str	0.328	0.268	Red
PICS-856	3/0	4/0 (compact) or 3/0	0.502	0.464	Black	1/0	2/0 (compact) or 1/0	0.398	0.365	Yellow
PICS-857	3/0	4/0 (compact) or 3/0	0.502	0.464	Black	2/0	3/0 (compact) or 2/0	0.448	0.414	Gray
PICS-858	3/0	4/0 (compact) or 3/0	0.502	0.464	Black	3/0	4/0 (compact) or 3/0	0.502	0.464	Black
PICS-864	4/0	4/0	0.564	0.522	Pink	4	2 sol - 3-4 str	0.258	0.213	Orange
PICS-865	4/0	4/0	0.564	0.522	Pink	2	1-2 str	0.328	0.268	Red
PICS-866	4/0	4/0	0.564	0.522	Pink	1/0	1/0	0.398	0.365	Yellow
PICS-867	4/0	4/0	0.564	0.522	Pink	2/0	3/0 (compact) or 2/0	0.448	0.414	Gray
PICS-868	4/0	4/0	0.564	0.522	Pink	3/0	4/0 (compact) or 3/0	0.502	0.464	Black
PICS-869	4/0	4/0	0.564	0.522	Pink	4/0	4/0	0.564	0.522	Pink

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Aluminum Compression Tap Connectors
Dual Rated

RoHS Compliant

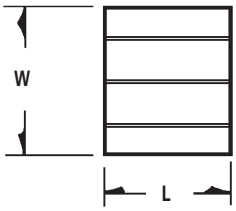
UL LISTED 453G

A

TYPE
AH

Features
- Prefilled with oxide inhibitor
- Color coded
- Manufactured from high strength aluminum alloy
- UL Listed
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90˚ C

Benefits
- Provides corrosion resistance
- Provides visual recommendation for Ilsco or standard industry tools
- Provides maximum conductivity and excellent crimping characteristics
- Ensures reliability for copper or aluminum conductors
- Application versatility



Catalog Number	Wire Range		Ilsco Compression Tool	Die Index	L	W
	Main	Tap				
AH-1	1/0 str - 6 str	1 str - 6 str	ND-58/ND-60	0	1.62	1.78
AH-2	4/0 str - 1 str	1 str - 6 str	ND-58/ND-60	D3	1.88	2.31
AH-3	4/0 str - 3/0 str	4/0 str - 3/0 str	ND-58/ND-60	D3	2.50	2.50
AH-4	4/0 str - 1 str	2/0 str - 1 str	ND-58/ND-60	D3	2.50	2.38
AH-5	400kcmil - 4/0 str	400kcmil - 4/0 str	ILC-15H*	N	3.50	3.09
AH-6	500kcmil - 4/0 str	2/0 str - 6 str	ILC-15H*	N	2.00	2.84
AH-10	1000kcmil Compact - 600kcmil AL 750kcmil - 600kcmil CU	350kcmil - 2/0 str	ILC-15H*	KR	3.50	4.62
AH-11	1000kcmil Compact - 600kcmil AL 750kcmil - 600kcmil CU	600kcmil - 350kcmil	ILC-15H*	KR	4.62	4.75

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*Other hydraulic tools can be used. See stuffer sheet for complete information on tooling.
Tested to UL 486A/B, UL File E6207

Aluminum Compression Tap Connectors

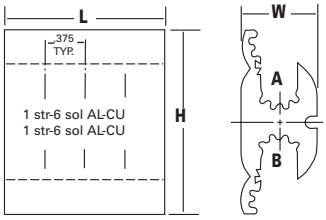
RoHS Compliant

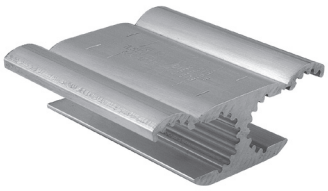
AP-5465

A TYPE HT

Features
- Serrated interior
- Prefilled with oxide inhibitor
- Installed with industry standard "O" and "D" dies
- Manufactured from high strength aluminum alloy
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90˚ C

Benefits
- Assures positive mating with cable strands when compressed
- Provides corrosion resistance
- Provides convenient die selection
- Provides maximum conductivity and excellent crimping characteristics
- Application versatility





Catalog Number	Wire Range: Standard Wire, A Groove: ACSR	str	sol	Wire Range: Standard Wire, B Groove: ACSR	str	sol	Wire Range: Compact Wire, A Groove: ACSR	str	Wire Range: Compact Wire, B Groove: ACSR	str	Connector Number	Mech. Die	No. of Crimps: Hyd. tool	Tool	Dimensions: L	W	H
HT-6	2, 3, 4, 6, - -	1, 2, 3, 4, 6 -	1, 2, 3, 5, 6 -	2, 3, 4, 6, - -	1, 2, 3, 4, 6 -	1, 2, 3, 4, 6 -	1, 2, 3, 4, 6 -	1, 2, 3, 4, 6 -	1, 2, 3, 4, 6 -	1, 2, 3, 4, 6 -	1	0 0 0 0 0 0	4 4 4 4 4 4	2 2 2 2 2 2	1-1/2	23/32	1-23/32
HT-8	1/0, 1, 2, 3 - -	2/0, 1/0, 1, 2 - -	3/0, 2/0, 1/0, 1 - -	2, 3, 4, 6 - -	1, 2, 3, 4, 6 -	1/0, 1, 2, 3, 4, 6	2/0, 1/0, 1, 2 - -	2/0, 1/0, 1, 2 - -	1, 2, 3, 4, 6, -	1, 2, 3, 4, 6, -	2	0 0 0 0 0 0	5 5 5 5 5 5	2 2 2 2 2 2	1-1/2	45/64	1-25/32
HT-2	2/0, 1/0, - - -	3/0, 2/0 - - -	- - - - -	2, 3, 4, 6 -	1, 2, 3, 4, 6	1/0, 1, 2, 4, 6	3/0, 2/0, - - -	3/0 - - - -	1, 2, 4, 6 -	1, 2, 4, 6 -	3	D3 D3 D3 D3 D3	5 5 5 5 5	2 2 2 2 2	1-7/8	13/16	2-3/16
HT-4	2/0, 1/0, 1	3/0, 2/0, 1/0	- - -	2/0, 1/0, 1	3/0, 2/0, 1/0	- - -	3/0, 2/0, 1/0	3/0, 2/0, 1/0	3/0, 2/0, 1/0	3/0, 2/0, 1/0	4	D3 D3 D3	6 6 6	2 2 2	1-7/8	57/64	2-17/64
HT-3	4/0, 3/0 - - -	4/0 - - - -	- - - - -	2, 3, 4, 6 -	1, 2, 3, 4, 6	1/0, 1, 2, 4, 6	266, 4/0 - - -	266, 250, 4/0 - -	1, 2, 4, 6 -	1, 2, 4, 6 -	5	D3 D3 D3 D3 D3	5 5 5 5 5	2 2 2 2 2	1-7/8	53/64	2-1/4
HT-5	4/0, 3/0 -	4/0, 3/0, -	- - -	2/0, 1/0 -	2/0, 1/0 -	- - -	266, 4/0, 3/0	266, 250, 4/0	2/0, 1/0 -	3/0, 2/0, 1/0	6	D3 D3 D3	7 7 7	3 3 3	2-1/4	53/64	2-3/8
HT-7	4/0, 3/0 -	4/0, 3/0 -	- - -	4/0, 3/0 -	4/0, 3/0 -	- - -	266, 4/0, 3/0	266, 250, 4/0	266, 4/0, 3/0	266, 250, 4/0	7	D3 D3 D3	7 7 7	3 3 3	2-1/2	7/8	2-1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Consult factory for tool and die information.

4730 Madison Road, Cincinnati OH 45227-1426 | PH: 513.533.6200 | FAX: 513.871.4084 | www.ilsco.com
In Canada: 615 B Orwell Street, Mississauga, Ontario, Canada L5A 2W4 | PH: 905.274.2341 | FAX: 905.279.2682

ILSCO connections matter

Information Sheet

Series ALNS, ALND, ASNS, ASND, ALNB, ASNB, ALNN, ASNN, and ASN[a]

Compression Connectors for Aluminum or Copper Conductor

RoHS Compliant

UL LISTED 453G

SA LR-29601

Tooling Information

			ILSCO													
			MT-25[b] Hand Dieless	94285		IDT-6[b], IDT-6H[b], IDTB-6[b] series (6-Ton Hydraulic Dieless)	IDT-12-N[b] (Dieless)	ILC-12-N, ILC-12H-N, ILCB-12 series (12-Ton Hydraulic)		TM-12U1000, TR-12U1000, TB-12U1000 series (12-Ton Hydraulic)		ILC-15H (15-Ton)		IVTB-6[b] (Dieless)	TM-6DF1000[b], TR-6DF1000[b], TB-6DF1000[b] series (Dieless)
Lug/Splice Size	Wire Size	Color Code	Crimps	Die Code	Crimps	Crimps	Crimps	Die Code	Crimps	Die Code	Crimps	Die Code	Crimps	Crimps	Crimps
8	8 AWG	Blue	1	M,K	2	1		ILD-374	1	ILD-374	1	ILD-374	1	1	1
6	6 AWG	Gray	1	K,K	2	1	1	ILD-346	1	ILD-346	1	ILD-346	1	1	1
4	4 AWG	Green	1	H,H	3	1	1	ILD-375	1	ILD-375	1	ILD-375	1	1	1
2	2 AWG	Pink	2	E,A	3	1	1	ILD-348	1	ILD-348	1	ILD-348	1	2	1[c]
1	1 AWG	Gold	2	E,A	3	1	1	ILD-471	1	ILD-471	1	ILD-471	1	2	1[c]
1/0	1/0 AWG	Tan	2	A,C	3	1	1	ILD-296	1	ILD-296	1	ILD-296	1	2	1[c]
2/0	2/0 AWG	Olive	2	A,B	3	2	1	ILD-297	1[c]	ILD-297	1[c]	ILD-297	1[c]	2	2
3/0	3/0 AWG	Ruby	2	A,A	3	2	1	ILD-467	1[c]	ILD-467	1[c]	ILD-467	1[c]	2	2
4/0	4/0 AWG	White	2			2	1	ILD-298	2	ILD-298	2	ILD-298	2	2	2
250	250 kcmil	Red				2	1	ILD-324	2	ILD-324	2	ILD-324	2	2	2
300	300 kcmil	Blue				2	1	ILD-470	2	ILD-470	2	ILD-470	2	2	2
350	350 kcmil	Brown				2	1	ILD-299	2	ILD-299	2	ILD-299	2	2	2[d]
400	400 kcmil	Green				2	1	ILD-472	4	ILD-472	4	ILD-472	4	2	2[e]
500	500 kcmil	Pink				2[e]	1	ILD-300	4	ILD-300	4	ILD-300	4	2	2[e]
600	600 kcmil	Black				2[e]	1	ILD-473	4	ILD-473	4	ILD-473	4		2[e]
700/750	700/750 kcmil	Yellow				2[e]	1	ILD-936	3	ILD-936	3	ILD-936	3		2[e]
700/750[g]	900 kcmil Compact Al	Yellow						ILD-936	3	ILD-936	3	ILD-936	3		
1000	1000 kcmil	Brown										ILD-P302[h]	3		

Additional Information:

1) The ALNS, ALND, ASNS, ASND, ALNB, ASNB, ALNN, ASNN, and ASN connectors are marked with the die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly space on connector.

2) Consult manufacturers data for catalog numbers of dies for each tool.

[a] Number of crimps shown on chart must be applied to both sides of ASN splice connector's centerline.

[b] Dieless tools are not color coded and do not require dies.

[c] For ASN splicer connector, apply 2 crimps on both sides of splice connector's centerline.

[d] For ASN splicer connector, apply 3 crimps on both sides of splice connector's centerline.

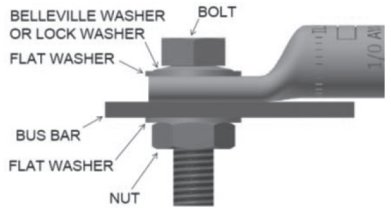
[e] For ASN splicer connector, apply 4 crimps on both sides of splice connector's centerline.

[g] 700/750 size lug/splice are additionally rated for use with 900 kcmil compact aluminum wire.

[h] The die index of ILD-P302 is 302.

Connector Installation

1. Select proper connector for the wire size to be used. Series can be used with concentric, compressed or compact aluminum or copper wire.
2. Strip wire insulation using an approved method. Do not nick or ring the wire. Remove any major coating on the wire.
3. Remove surface oxides from the wire with a wire brush.
4. Insert wire all the way into the barrel of the connector.
5. Select the proper die for approved tool. See chart above for approved tools and dies. Compress barrel from tang toward wire, or from inside of ASN connector towards wire.
6. When terminating an aluminum connector to a steel or copper stud, use a belleville or compression type washer in combination with a flat washer. Tighten until the belleville washer is flat.



Information Sheet

Series ALNS, ALND, ASNS, ASND, ALNB, ASNB, ALNN, ASNN, and ASN[a]

Compression Connectors for Aluminum or Copper Conductor

RoHS Compliant

UL LISTED 453G

SA LR-29601

Tooling Information

			BURNDY								THOMAS AND BETTS			GREENLEE					ANDERSON	RIDGID			UTILCO		
			Y500CT-HS, PAT600		PAT81KFT[b], Y81KFT[b], Y81KFTMBH[b], PAT4PC834[b] (6-Ton Hydraulic Dieless)	Y644M[b], PAT644XT[b] (Dieless)	Y35, Y35BH, Y39, Y750, Y750BH, PAT750XT		Y46, Y46C, PAT46		TBM8-750M[b], TBM8-750BSCR[b], TBM8-750[b] (Dieless)	TBM14M, TBM14MC, TBM14BSCR, BPLT14BSCR, BPLT14BSCRI, 13100A, TBM15I, BPLT15BSCR		EK06FT[b], HK06FT[b], RK06FT[b] (6-Ton Hydraulic Dieless)	EK1240, HK1240, RK1240 (12-Ton Hydraulic)		1990[b] (Dieless)	RK1550		VC6-FT[b], VC6-FTR[b], VC6-FT-BP[b], VC7-FT[b], VC7-FTR[b] (Dieless)	RE 6[b] (Dieless)	RE 12-M		UM-U42, UR-U42, BLL-U42 series (12-Ton Hydraulic)		UM-4PT[b], UR-4PT[b], BLL-4PT[b] series (Dieless)
Lug/Splice Size	Wire Size	Color Code	Die Code	Crimps	Crimps	Crimps	Die Code	Crimps	Die Code	Crimps	Crimps	Die Code	Crimps	Crimps	Die Code	Crimps	Crimps	Die Code	Crimps	Crimps	Crimps	Die Code	Crimps	Die Code	Crimps	Crimps
8	8 AWG	Blue	X8CART	1	1		U8CABT	1	U8CABT	1	1	ILD-374	1	1	ILD-374	1	1	ILD-374	1	1	1	ILD-374	1	ILD-374	1	1
6	6 AWG	Gray	W161	1	1	1	U6CABT	1	U6CABT	1	1	ILD-346	1	1	ILD-346	1	1	ILD-346	1	1	1	ILD-346	1	ILD-346	1	1
4	4 AWG	Green	W162	2	1	1	U4CABT	1	U4CABT	1	1	ILD-375	1	1	ILD-375	1	1	ILD-375	1	1	1	ILD-375	1	ILD-375	1	1
2	2 AWG	Pink	W239	2	1[c]	1	U2CABT	1	U2CABT	1	1	ILD-348	1	1	ILD-348	1	1	ILD-348	1	1	2	ILD-348	1	ILD-348	1	1[c]
1	1 AWG	Gold	W163	2	1[c]	1	U1CABT	1	U1CABT	1	1	ILD-471	1	1	ILD-471	1	1	ILD-471	1	1	2	ILD-471	1	ILD-471	1	1[c]
1/0	1/0 AWG	Tan	W241	2	1[c]	1	U25ART	1	U25ART	1	1	ILD-296	1	1	ILD-296	1	1	ILD-296	1	1	2	ILD-296	1	ILD-296	1	1[c]
2/0	2/0 AWG	Olive	W245	2	2	1	U26ART	2	U26ART	2	1	ILD-297	1[c]	2	ILD-297	1[c]	1	ILD-297	1[c]	2	2	ILD-297	1[c]	ILD-297	1[c]	2
3/0	3/0 AWG	Ruby	W166	2	2	1	U27ART	2	U27ART	2	1	ILD-467	1[c]	2	ILD-467	1[c]	1	ILD-467	1[c]	2	2	ILD-467	1[c]	ILD-467	1[c]	2
4/0	4/0 AWG	White	W660	2	2	1	U28ART	2	U28ART	2	2	ILD-298	2	2	ILD-298	2	1	ILD-298	2	2	2	ILD-298	2	ILD-298	2	2
250	250 kcmil	Red			2	1	U29ART	2	U29ART	2	2	ILD-324	2	2	ILD-324	2	1	ILD-324	2	2	2	ILD-324	2	ILD-324	2	2
300	300 kcmil	Blue			2	1	U30ART	2	U30ART	2	2	ILD-470	2	2	ILD-470	2	1	ILD-470	2	2	2	ILD-470	2	ILD-470	2	2
350	350 kcmil	Brown	W31ART	3	2[d]	1	U31ART	2	U31ART	2	2	ILD-299	2	2	ILD-299	2	1	ILD-299	2	2	2	ILD-299	2	ILD-299	2	2[d]
400	400 kcmil	Green			2[e]	1	U32ART	4	U32ART	4	2	ILD-472	4	2	ILD-472	4	1	ILD-472	4	2	2	ILD-472	4	ILD-472	4	2[e]
500	500 kcmil	Pink			2[e]	1	U34ART	4	U34ART	4	2	ILD-300	4	2[e]	ILD-300	4	1	ILD-300	4	2	2	ILD-300	4	ILD-300	4	2[e]
600	600 kcmil	Black			2[e]	1	U36ART	4	U36ART	4	2	ILD-473	4	2[e]	ILD-473	4	1	ILD-473	4	2		ILD-473	4	ILD-473	4	2[e]
700/750	700/750 kcmil	Yellow			2[e]	1	U39ART	4	U39ART	4	2	ILD-936	3	2[e]	ILD-936	3	1	ILD-936	3	4		ILD-936	3	ILD-936	3	2[e]
700/750[h]	900 kcmil compact Al	Yellow										ILD-936	3		ILD-936	3		ILD-936	3			ILD-936	3	ILD-936	3	
1000	1000 kcmil	Brown				1[f,g]			P44ART	4								ILD-P302[k]	3							

Additional Information:

1) The ALNS, ALND, ASNS, ASND, ALNB, ASNB, ALNN, ASNN, and ASN connectors are marked with the die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly space on connector.

2) Consult manufacturers data for catalog numbers of dies for each tool.

[a] Number of crimps shown on chart must be applied to both sides of ASN splice connector's centerline.

[b] Dieless tools are not color coded and do not require dies.

[c] For ASN splicer connector, apply 2 crimps on both sides of splice connector's centerline.

[d] For ASN splicer connector, apply 3 crimps on both sides of splice connector's centerline.

[e] For ASN splicer connector, apply 4 crimps on both sides of splice connector's centerline.

[f] ASN-1000 splicer connector is NOT UL listed or CSA certificated with Y644M dieless tool.

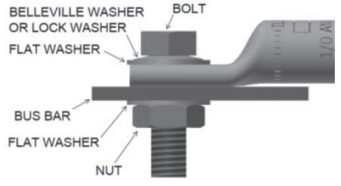
[g] 1000 size lug/splice are NOT UL listed or CSA certificated with PAT644XT dieless tool.

[h] 700/750 size lug/splice are additionally rated for use with 900 kcmil compact aluminum wire.

[k] The die index of ILD-P302 is 302.

Connector Installation

1. Select proper connector for the wire size to be used. Series can be used with concentric, compressed or compact aluminum or copper wire.
2. Strip wire insulation using an approved method. Do not nick or ring the wire. Remove any major coating on the wire.
3. Remove surface oxides from the wire with a wire brush.
4. Insert wire all the way into the barrel of the connector.
5. Select the proper die for approved tool. See chart above for approved tools and dies. Compress barrel from tang toward wire, or from inside of ASN connector towards wire.
6. When terminating an aluminum connector to a steel or copper stud, use a belleville or compression type washer in combination with a flat washer. Tighten until the belleville washer is flat.



Information Sheet

Series ALNS, ALND, ASNS, ASND, ALNB, ASNB, ALNN, ASNN, and ASN[a]

Compression Connectors for Aluminum or Copper Conductor

Range Taking (for ILSCO, BURNDY, GREENLEE, RIDGID and UTILCO Dieless Tools)

Lug/Splice Size	Standard Wire Size	Expanded Wire Range	ILSCO MT-25[b] Crimps	ILSCO IVTB-6[b] Crimps	ILSCO IDT-6[b], IDT-6H[b], IDTB-6[b] series Crimps	ILSCO IDT-12-N[b] Crimps	ILSCO TM-6DF1000[b], TR-6DF1000[b], TB-6DF1000[b] series Crimps	BURNDY PAT4PC834[b], PAT81KFT[b], Y81KFT[b], Y81KFTMBH[b] Crimps	BURNDY Y644M[b] Crimps	GREENLEE EK06FT[b], HK06FT[b], RK06FT[b] Crimps	RIDGID RE 6[b] Crimps	UTILCO UM-4PT[b], UR-4PT[b], BLL-4PT[b] series Crimps
4	4 AWG	4 - 6 AWG	1	1	1	1	1	1		1	1	1
2	2 AWG	2 - 6 AWG	2	2	1	1	1[c]	1[c]		1	2	1[c]
1	1 AWG	1 - 2 AWG	2	2	1	1	1[c]	1[c]		1	2	1[c]
1/0	1/0 AWG	1/0 - 1 AWG	2	2	1	1	1[c]	1[c]		1	2	1[c]
2/0	2/0 AWG	2/0 - 1 AWG	2	2	2	1	2	2		2	2	2
3/0	3/0 AWG	3/0 - 1 AWG	2	2	2	1	2	2		2	2	2
4/0	4/0 AWG	4/0 - 1 AWG	2	2	2	1	2	2		2	2	2
250	250 kcmil	250 kcmil - 1/0 AWG		2	2	1	2	2		2	2	2
300	300 kcmil	300 kcmil - 2/0 AWG		2	2	1	2	2		2	2	2
350	350 kcmil	350 kcmil - 3/0 AWG		2	2	1	2[d]	2[d]		2	2	2[d]
400	400 kcmil	400 kcmil - 4/0 AWG		2	2	1	2[e]	2[e]		2	2	2[e]
500	500 kcmil	500 kcmil - 4/0 AWG		2	2[e]	1	2[e]	2[e]		2[e]	2	2[e]
600	600 kcmil	600 kcmil - 250 kcmil			2[e]	1	2[e]	2[e]		2[e]		2[e]
700/750	700/750 kcmil	750 kcmil - 500 kcmil			2[e]	1	2[e]	2[e]		2[e]		2[e]
1000	1000 kcmil	1000 kcmil - 750 kcmil							1[f]			

[a] Number of crimps shown on chart must be applied to both sides of ASN splice connector's centerline.

[b] Dieless tools are not color coded and do not require dies.

[c] For ASN splicer connectors, apply 2 crimps on both sides of splice connector's centerline.

[d] For ASN splicer connectors, apply 3 crimps on both sides of splice connector's centerline.

[e] For ASN splicer connectors, apply 4 crimps on both sides of splice connector's centerline.

[f] ASN-1000 splicer connector is NOT UL listed or CSA certificated with Y644M dieless tools.

ILSCO connections matter

Information Sheet (Series CS, CL)

Compression Connectors for Class B/C Copper Wire Only (CU9)

WARNING! Do Not Use With Aluminum Wire

RoHS Compliant

UL LISTED 453G

CSA LR-29601

	ILSCO TOOLS																COMPETITORS' TOOLS											
	Manual Hand Tools						Hydraulic Tools										Greenlee						UTILCO				
Lug Size	Color Code	Die Index	94285			MT-25	ILC-10-N		IDT-6, IDT-6H 6.2 Ton Dieless, IDTB-6, IDTB-6-LIO 6.2 Ton Dieless Battery	IVTB-6 6 Ton Dieless Battery	ILC-12-N, ILC-12H-N, ILC-12, ILC-12H, ILC-14, ILC-14H 12 Ton, ILCB-12-N, ILCB-12, ILCB-12-LIO 12 Ton Battery	TM-12U1000, TR-12U1000, TB-12U1000 Series 12 Ton	IDT-12-N 15 Ton Dieless	IDT-12, IDT-12H, IDTB-12 11 Ton Dieless	TM-6DF1000, TR-6DF1000, TB-6DF1000 Series 6 Ton Dieless	ILC-15H 15 Ton, ILC-30H 30 Ton	ILC-750	K111		HK1240, RK1240, EK1240 Series		RK1550, EK1550 Seires	HK06FT, RK06FT, EK06FT Series Dieless	1990 Dieless	UM-4PT, UR-4PT, BLL-4PT Series 6 Ton Dieless	UM-U42, UR-U42, BLL-U42 Series 12 Ton		Lug Size
			Left Die	Right Die	# Crimps	# Crimps	Index #	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	Index #	# Crimps	Index #	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	Index #	# Crimps	
8 ** †	Red	21	M	K	2	1	Red	1		1	1	1			1	1	1	Red	1	21	1	1			1	21	1	8 ** †
6 ** †	Blue (p)	24 (p)	M	K	2	1	Blue	2	1	1	1	1			1	1	1	Blue	2	24 (p)	1	1	1		1	24(p)	1	6 ** †
4 ** †	Gray	29	K	K	2	1	Gray	2	1	1	1 (m)	1 (m)	1	1	1	1	1	Gray	2	29	1 (m)	1	1	1	1	29	1(m)	4 ** †
3 ** $	White	29	K	K	2	1	Gray	2	1	1	1	1	1	1	1	1	1	Gray	2	29	1	1	1	1	1	29	1	3 ** $
2 ** †	Brown	33	H	H	2	2	Brown	2	1	1	1	1	1	1	1	1	1	Brown	2	33	1	1	1	1	1	33	1	2 ** †
1 **	Green	37	H	H	2	2	Green	2	1	1	1	1	1	1	1	1	1	Green	2	37	1	1	1	1	1	37	1	1 **
1/0 **	Pink	42	E	A	2	2	Pink	4	1	1	1	1	1	1	1	1	1	Pink	4	42	1	1	1	1	1	42	1	1/0 **
2/0 **	Black	45	E	A	3	2			1	1	1	1	1	1	1	1	1			45	1	1	1	1	1	45	1	2/0 **
3/0 **	Orange	50	A	C	3	2			2	1	1	1	1	1	1	1	1			50	1	1	2	1	1	50	1	3/0 **
4/0 **	Purple	54	A	B	3	2			2	1	1	1	1	1	1	1	1			54	1	1	2	1	1	54	1	4/0 **
250 **	Yellow	62	A	A	3	2			2	1	1	1	1	1	2	1	1			62	1	1	2	1	2	62	1	250 **
300 **	White	66							2	1	2	2	1	1	2	2	2			66	2	2	2	1	2	66	2	300 **
350 **	Red	71							2	2	2	2	1	1	2	2	2			71	2	2	2	1	2	71	2	350 **
400 **	Blue	76							2	2	2	2	1	1	2	2	2			76	2	2	2	1	2	76	2	400 **
500 **	Brown	87							2	2	2	2	1	1	2	2	2			87	2	2	2	1	2	87	2	500 **
600	Green	94							2	2	2	2	1	1	2	2	2			94	2	2	2	1	2	94	2	600
650	Pink	99							2	2	2	2	1	1	2	2	2			99	2	2	2	1	2	99	2	650
700	Pink	99							3	2	2	2	1	1	3	2	2			99	2	2	3	1	3	99	2	700
750	Black	106							3	2	2	2	1	1	3	2	2			106	2	2	3	1	3	106	2	750
1000	White	125									2	2	1	1	3	2				125	2	2		1	3	125	2	1000

	COMPETITORS' TOOLS																											
	Harger		Anderson	Burndy					T&B								Panduit						Ridgid					
Lug Size	MCT	MCT81/0		VC6-FT, VC6-FTR, VC6-FT-BP, VC7-FT, VC7-FTR Dieless	Y1MR, Y1MRTC		PAT4PC834, PAT81KFT, Y4PC834, Y81KFT, Y81KFTMBH Dieless	Y644M, PAT644 Dieless	Y35, Y35BH, Y39, Y750, Y750BH, PAT750	Y46, Y46C (Requires Die Adapter)		13100A, TBM14M, TBM14BSCR		***CAUTION: See Note (f) below*** TBM8-750, TBM8-750M-1, TBM8-750BSCR Dieless	***CAUTION: See Note (f) below*** BAT22-6	TBM21E, TBM41E,	TBM25S, TBM45S	TBM5S, TBM6S		***CAUTION: See Note (f) below*** WT115A		***CAUTION: See Note (f) below*** CT-1700		***CAUTION: See Note (f) below*** CT-2001		RE 6 Dieless	RE 12-M		Lug Size
	# Crimps	Index #	# Crimps	# Crimps	Index #	# Crimps	# Crimps	# Crimps	# Crimps	Die Part #	# Crimps	Die Part #	# Crimps	# Crimps	# Crimps	Index #	# Crimps	# Crimps	Index #	# Crimps	# Crimps	Index #	# Crimps	# Crimps	Index #	# Crimps	# Crimps	
8 ** †	1	Red	1	1	Red	1	1		U8CRT	1	U8CRT	1	15520	1	1	2	Red	1	Red	1	D8	1	Red	1	Red	1	1	21	1	8 ** †
6 ** †	1	Blue	2	1	Blue	2	1		U8CRT	1	U8CRT	1	15522	1	1	2	Blue	1 (k)	Blue	1	E6	1	Blue	1	Blue	1	1	24 (p)	1	6 ** †
4 ** †	1	Gray	2	1	Gray	2	1	1	U4CRT	1	U4CRT	1	15527-CK	1	1		Gray	1 (g) (k)	Gray	1	E6	1	Blue	1	Gray	1	1	29	1 (m)	4 ** †
3 ** $	1	Gray	2	1	White	2	1	1	U3CRT	1	U3CRT	1	15527-CK	1			Gray	1	Gray	1	F4	1	Gray	1	Gray	1	1	29	1	3 ** $
2 ** †	2	Brown	2	1	Brown	2	1	1	U2CRT	1	U2CRT	1	15528	1	1		Brown	1 (k)	Brown	1	G2	1	Brown	1	Brown	1	1	33	1	2 ** †
1 **	2	Green	2	1			1	1	U1CRT-1	1	U1CRT-1	1	15513-CK	1	1				Green	1					Green	1	Green	1	1	37	1	1 **
1/0 **	2	Pink	4	1			1	1	U25RT	1	U25RT	1	15508	1	1				Pink	1							Pink	1	1	42	1	1/0 **
2/0 **	2			1			1	1	U26RT	1	U26RT	1	15526	1	1				Black	1							Black	1	1	45	1	2/0 **
3/0 **	2			1			1	1	U27RT	1	U27RT	1	15530	1	1				Orange	1							Orange	1	1	50	1	3/0 **
4/0 **	2			1			1	1	U28RT	1	U28RT	1	15511	1	1				Purple	1							Purple	1	1	54	1	4/0 **
250 **	2			2			2	1	U29RT	1	U29RT	1	15510-CK	1	1				Yellow	1							Yellow	1	1	62	1	250 **
300 **				2			2	1	U30RT	2	U30RT	2	15534	2	1												White	1	1	66	2	300 **
350 **				3 *			2	1	U31RT	2	U31RT	2	15514-CK	2	1												Red	1	2	71	2	350 **
400 **				3 *			2	1	U32RT	2	U32RT	2	15512	2	1														2	76	2	400 **
500 **				3 *			2	1	U34RT	2	U34RT	2	15506	2	1														2	87	2	500 **
600				4 *			2	1	U36RT	2	U36RT	2	15536-CK	2	1														2	94	2	600
650				4 *			2	1	U38RT	2	U38RT	2	15505	2	1														2	99	2	650
700				4 *			3	1	U38RT	2	U38RT	2	15505	2	1														2	99	2	700
750				4 *			3	1	U39RT	2	U39RT	2	15515-CK	2	1														2	106	2	750
1000							3	1			P44RT	3	15504	2															125	2	1000

* Dieless - Crimps will overlap
** See note f below
† See note h below
$ See note n below

RANGE TAKING

Lug Size	Standard Wire Size	Expanded Wire Size	No. Crimps for ILSCO IDT-12, IDT-12-N and Burndy Y644M, PAT644	No. Crimps for ILSCO IDTB-6, IDTB-6-LIO, IDT-6 and IDT-6H	No. Crimps for ILSCO IVTB-6 and Ridgid RE 6	No. Crimps for ILSCO TM-6DF1000, TR-6DF1000, TB-6DF1000 Series	No. Crimps for UTILCO UM-4PT, UR-4PT, BLL-4PT Series	No. Crimps for Greenlee HK06FT, RK06FT, EK06FT Series
4	4 AWG	4 - 6 AWG		1	1	1	1	1
3	3 AWG	3 - 6 AWG	1	1	1	1	1	1
2	2 AWG	2 - 6 AWG	1	1	1	1	1	1
1	1 AWG	1 - 6 AWG	1	1	1	1	1	1
1/0	1/0 AWG	1/0 - 6 AWG	1	1	1	1	1	1
2/0	2/0 AWG	2/0 - 4 AWG	1	1	1	1	1	1
3/0	3/0 AWG	3/0 - 2 AWG	1	2	1	1	1	2
4/0	4/0 AWG	4/0 - 1 AWG	1	2	1	1	1	2
250	250 kcmil	250 kcmil - 1/0 AWG	1	2	1	2	2	2
300	300 kcmil	300 kcmil - 2/0 AWG	1	2	1	2	2	2
350	350 kcmil	350 kcmil - 3/0 AWG	1	2	2	2	2	2
400	400 kcmil	400 kcmil - 4/0 AWG	1	2	2	2	2	2
500	500 kcmil	500 kcmil - 250 kcmil	1	2	2	2	2	2
600	600 kcmil	600 kcmil - 250 kcmil	1	2	2	3	3	2
700	700 kcmil	700 kcmil - 350 kcmil	1	3	2	3	3	3
750	750 kcmil	750 kcmil - 500 kcmil	1	3	2	3	3	3
1000	1000 kcmil	1000 kcmil - 750 kcmil	1			3	3	

UL Listed and CSA Certified when installed with tools and dies shown above

a) Connectors are marked with color, die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly spaced on connector.
b) The ILSCO 94285, MT-25 and all dieless tools are not color coded or do not contain the die index.
c) Consult manufacturers data for catalog numbers of dies for each tool.
d) Strip Length = Barrel Length + 1/16 Inch
e) For long barrel connectors double the amount of crimps indicated on chart except for 1000 kcmil add only one additional crimp.
f) UL Complimentary Listed under category KDER and CSA Certified for Grounding & Bonding Applications, suitable for direct burial.
EXCEPTION: Use of T&B TBM8-750 Series, BAT22-6, WT115A or Panduit CT-1700, CT-2001 tools voids the Grounding & Bonding Certifications.
g) For #4 Compact Copper wire, 2 crimps are required for standard barrel connectors. (See note (e) above for long barrel connectors.)
h) Rated for stranded or solid wire. Sol/Str.
k) For solid wire only use table below:

Lug Size	Index #	# Crimps
6	Blue	2
4	Blue	2
2	Brown	2

m) Stranded wire only
n) In addition to #3 stranded wire, CS, CL series #3 lug is also UL listed and CSA certified for use with #2 solid copper wire.
EXCEPTION: It does NOT apply to use of ILSCO 94285, IDT-12 series, ILC-15H, ILC-30H, ILC-750, TM-6DF1000, TR-6DF1000, TB-6DF1000 series; Anderson VC6, VC7 series; Burndy PAT81K, Y81K series; T&B TBM8-750 series, BAT22-6, TBM5S, TBM6S, WT115A; Panduit CT-1700, CT-2001; Greenlee 1990; UTILCO UM-4PT, UR-4PT, BLL-4PT series
p) CS, CL series #6 lug is also UL listed and CSA certified when crimped with red die (die index 21) using ILSCO ILC-12 series, ILC-15H, ILC-30H, ILC-750 or Ridgid RE 12-M crimp tools.

Information Sheet (Series CS, CL)

Compression Connectors for Fine Strand Copper Wire Only (CU9)

WARNING! Do Not Use With Aluminum Wire

RoHS Compliant
UL LISTED 453G
SA LR-29601

		ILSCO TOOLS															COMPETITORS' TOOLS													
		Manual Hand Tools						Hydraulic Tools									Greenlee						UTILCO						
Lug Size	Fine Strand Wire Size	Color Code	Die Index	94285			ILC-10-N		IDT-6, IDT-6H 6,2 Ton Dieless, IDTB-6, IDTB-6-LIO 6,2 Ton Dieless Battery	IVTB-6 6 Ton Dieless Battery	ILC-12-N, ILC-12H-N, ILC-12, ILC-12H, ILC-14, ILC-14H 12 Ton, ILCB-12-N, ILCB-12, ILCB-12-LIO 12 Ton Battery	TM-12U1000, TR-12U1000, TB-12U1000 Series 12 Ton	IDT-12-N 15 Ton Dieless	IDT-12, IDT-12H IDTB-12 11 Ton Dieless	TM-6DF1000, TR-6DF1000, TB-6DF1000 Series 6 Ton Dieless	ILC-15H 15 Ton, ILC-30H 30 Ton	ILC-750	K111		HK1240, RK1240, EK1240 Series		RK1550, EK1550 Series	HK06FT, RK06FT, EK06FT Series Dieless	1990 Dieless	UM-4PT, UR-4PT, BLL-4PT Series 6 Ton Dieless	UM-U42, UR-U42, BLL-U42 Series 12 Ton		Fine Strand Wire Size	Lug Size
				Left Die	Right Die	# Crimps	Index #	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	Index #	# Crimps	Index #	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	Index #	# Crimps		
8 **	8	Red	21				Red	1		1	1	1			1	1	1	Red	1	21	1	1		1	1	21	1	8	8 **
6 **	6	Blue	24	M	K	2	Blue	2	1	1	1	1			1	1	1	Blue	1	24	1	1	1		1	24	1	6	6 **
3 **	4	White	29	K	K	2	Gray	2	1	1	1	1	1	1	1	1	1	Gray	2	29	1	1	1	1	1	29	1	4	3 **
1 **	2	Green	37	H	H	2	Green	2	1	1	1	1	1	1	1	1	1	Green	2	37	1	1	1	1	1	37	1	2	1 **
1/0 **	1	Pink	42	H	H	2	Pink	4	1	1	1	1	1	1	1	1	1	Pink	4	42	1	1	1	1	1	42	1	1	1/0 **
2/0 **	1/0	Black	45	E	A	3			1	1	1	1	1	1	1	1	1			45	1	1	1	1	1	45	1	1/0	2/0 **
3/0 **	2/0	Orange	50	E	A	3			1	1	1	1	1	1	2	1	1			50	1	1	1	1	2	50	1	2/0	3/0 **
4/0 **	3/0	Purple	54	A	B	3			1	1	1	1	1	1	2	1	1			54	1	1	1	1	2	54	1	3/0	4/0 **
250 **	4/0	Yellow	62	A	B	3			1	1	1	1	1	1	2	1	1			62	1	1	1	1	2	62	1	4/0	250 **
300 **	250	White	66						1	1	2	2	1	1	2	2	2			66	2	2	1	1	2	66	2	250	300 **
350 **	250, 262	Red	71						1	2	2	2	1	1	2	2	2			71	2	2	1	1	2	71	2	250, 262	350 **
400 **	300, 313	Blue	76						2	2	2	2	1	1	2	2	2			76	2	2	2	1	2	76	2	300, 313	400 **
500 **	350, 373	Brown	87						2	2	2	2	1	1	2	2	2			87	2	2	2	1	2	87	2	350, 373	500 **
600	400, 444	Green	94						2	2	2	2	1	1	2	2	2			94	2	2	2	1	2	94	2	400, 444	600
650	500, 535	Pink	99						2	2	2	2	1	1	2	2	2			99	2	2	2	1	2	99	2	500, 535	650
700	500, 535	Pink	99						3	2	2	2	1	1	3	2	2			99	2	2	3	1	3	99	2	500, 535	700
750	600, 646	Black	106						3	2	2	2	1	1	3	2	2			106	2	2	3	1	3	106	2	600, 646	750
1000	750, 777	White	125								3	3	1	1	3	3				125	3	3		1	3	125	3	750, 777	1000

		COMPETITORS' TOOLS																													
		Harger		Anderson	Burndy						T&B						Panduit						Ridgid							
Lug Size	Fine Strand Wire Size	MCT	MCT81/0	VC6-FT, VC6-FTR, VC6-FT-BP, VC7-FT, VC7-FTR Dieless	Y1MR, Y1MRTC	PAT4PC834, PAT81KFT, Y4PC834, Y81KFT, Y81KFTMBH Dieless	Y644M, PAT644 Dieless	Y35, Y35BH, Y39, Y750, Y750BH, PAT750	Y46, Y46C (Requires Die Adapter)		13100A, TBM14M, TBM14BSCR	CAUTION: See Note (f) below TBM8-750, TBM8-750M-1, TBM8-750BSCR Dieless	CAUTION: See Note (f) below BAT22-6	TBM21E, TBM41E, TBM25S, TBM45S		TBM5S, TBM6S		CAUTION: See Note (f) below WT115A		CAUTION: See Note (f) below CT-1700		CAUTION: See Note (f) below CT-2001		RE 6 Dieless	RE 12-M		Fine Strand Wire Size	Lug Size
		# Crimps	Index #	# Crimps	# Crimps	Index #	# Crimps	# Crimps	# Crimps	Die Part #	# Crimps	Die Part #	# Crimps	Die Part #	# Crimps	# Crimps	# Crimps	Index #	# Crimps	Index #	# Crimps	Index #	# Crimps	Index #	# Crimps	# Crimps	Index #	# Crimps		
8 **	8	1	Red	1	1	Red	1	1		U8CRT	1	U8CRT	1	15520	1	1		Red	1	Red	1	D8	1	Red	1	Red	1	1	21	1	8	8 **
6 **	6	1	Blue	2	1	Blue	1	1		U5CRT	1	U5CRT	1	15522	1	1	2 (g)	Blue	1	Blue	1	E6	1	Blue	1	Blue	1	1	24	1	6	6 **
3 **	4	1	Gray	2	1	Gray	2	1	1	U4CRT	1	U4CRT	1	15528	1	1		Gray	1	Gray	1	F4	1	Blue	1	Gray	1	1	29	1	4	3 **
2 **	4	2																Gray	1	Gray	1										4	2 **
1 **	2	2	Green	2	1	Brown	2	1	1	U2CRT	1	U2CRT	1	15513-CK	1	1				Brown	1			Brown	1	Green	1	1	37	1	2	1 **
1/0 **	1	2	Pink	4	1			1	1	U1CRT-1	1	U1CRT-1	1	15508	1	1				Green	1					Pink	1	1	42	1	1	1/0 **
2/0 **	1/0	2			1			1	1	U25RT	1	U25RT	1	15526	1	1				Pink	1					Black	1	1	45	1	1/0	2/0 **
3/0 **	2/0	2			2			2	1	U26RT	1	U26RT	1	15530	1	1				Black	1					Orange	1	1	50	1	2/0	3/0 **
4/0 **	3/0	2			2			2	1	U27RT	1	U27RT	1	15511	1	1				Orange	1					Purple	1	1	54	1	3/0	4/0 **
250 **	4/0	2			2			2	1	U28RT	1	U28RT	1	15510-CK	2	1				Purple	1					Yellow	1	1	62	1	4/0	250 **
300 **	250				2			2	1	U29RT	2	U29RT	2	15534	2	1												1	66	2	250	300 **
350 **	250				3 *			2	1	U30RT	2	U30RT	2	"	2	1										Red	1	2	71	2	250	350 **
350 **	262				3 *			2	1	"	2	"	2	"	2	1										Red	1	2	71	2	262	350 **
400 **	300				3 *			2	1	U31RT	2	U31RT	2	15514-CK	2	1												2	76	2	300	400 **
400 **	313				3 *			2	1	"	2	"	2	"	2	1												2	76	2	313	400 **
500 **	350				3 *			2	1	U32RT	2	U32RT	2	15512	2	1												2	87	2	350	500 **
500 **	373				3 *			2	1	"	2	"	2	15517	2	1												2	87	2	373	500 **
600	400				4 *			2	1	U34RT	2	U34RT	2	15536-CK	2	1												2	94	2	400	600
600	444				4 *			2	1	"	2	"	2	"	2	1												2	94	2	444	600
650	500				4 *			2	1	U38CRT	2	U38CRT	2	15505	2	1												2	99	2	500	650
650	535				4 *			2	1	"	2	"	2	"	2	1												2	99	2	535	650
700	500				4 *			3	1	U38XRT	2	U38XRT	2	15505	2	1												2	99	2	500	700
700	535				4 *			3	1	"	2	"	2	"	2	1												2	99	2	535	700
750	600				4 *			3	1	U39RT	2	U39RT	2	15515-CK	2	1												2	106	2	600	750
750	646				4 *			3	1	"	2	"	2	"	2	1												2	106	2	646	750
1000	750							3	1			U44XRT	3	15504	3														125	3	750	1000
1000	777							3	1			"	3	"	3														125	3	777	1000

* Dieless - Crimps will overlap

** See note f_below

APPROVED WIRE CLASSES

	B		C		G		H		I		K		M		DLO	
							MOTOR LEAD				WELDING		WELDING		LOCOMOTIVE	
Lug Size	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR
8	8	7	8	19	8	49	8	133	8	41	8	168	8	420	8	37
6	6	7	6	19	6	49	6	133	6	63	6	266			6	61
4	4	7	4	19												
3	3	7	3	19	4	49	4	133	4	105	4	420	4	1064	4	105
2	2	7	2	19	4	49	4	133	4	105	4	420	4	1064	4	105
1	1	19	1	37	2	49	2	133	2	161	2	665	2	1666	2	150
1/0	1/0	19	1/0	37	1	133	1	259	1	210	1	836	1	2107	1	225
2/0	2/0	19	2/0	37	1/0	133	1/0	259	1/0	266	1/0	1064	1/0	2646	1/0	275
3/0	3/0	19	3/0	37	2/0	133	2/0	259	2/0	342	2/0	1323	2/0	3325	2/0	325
4/0	4/0	19	4/0	37	3/0	133	3/0	259	3/0	418	3/0	1666	3/0	4256	3/0	450
250	250	37	250	61	4/0	133	4/0	259	4/0	532	4/0	2107	4/0	5320	4/0	532
300	300	37	300	61	250	259	250	427								
350	350	37	350	61	250	259	250	427	250	637	250	2499	250	6384	262.6	650
400	400	37	400	61	300	259	300	427	300	735	300	2989	300	7581	313.3	775
500	500	37	500	61	350	259	350	427	350	882	350	3458	350	8806	373.7	925
600	600	61	600	91	400	259	400	427	400	980	400	3990	400	10101	444	1150
650	600	61	600	91	500	259	500	427	500	1225	500	5054	500	12691	535.3	1325
700	700	61	700	91	500	259	500	427	500	1225	500	5054	500	12691	535.3	1325
750	750	61	750	91	600	427	600	703	600	1470			600	14945	646	1591
1000	1000	61	1000	91	750	427	750	703	750	1862					777	1924

UL Listed and CSA Certified when installed with tools and dies shown above

a) Connectors are marked with color, die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly spaced on connector.
b) The ILSCO 94285, MT-25 and all dieless tools are not color coded or do not contain the die index.
c) Consult manufacturers data for catalog numbers of dies for each tool.
d) Strip Length = Barrel Length + 1/16 Inch
e) For long barrel connectors double the amount of crimps indicated on chart except for 1000 kcmil add only one additional crimp.
f) UL Complimentary Listed under category KDER and CSA Certified for Grounding & Bonding Applications
EXCEPTION: Use of T&B TBM8-750 Series, BAT22-6, WT115A or Panduit CT-1700, CT-2001 tools voids the Grounding and Bonding Certifications.
g) For #8 AWG Class H wire only, may use 1 or 2 crimps

ILSCO connections matter

Series CT and CTL

Compression Connectors for Class B/C Copper Wire Only (CU9)

WARNING! Do Not Use With Aluminum Wire

RoHS Compliant

UL LISTED 453G

SA LR-29601

	ILSCO TOOLS															T&B TOOLS				GREENLEE TOOLS					RIDGID TOOLS			UTILCO TOOLS			
			Manual Hand Tools						Hydraulic Tools							Manual Tools				Hydraulic Tools				Manual Tool	Hydraulic Tools			Hydraulic Tools			
Lug Size	Color Code	Die Index	94285			MT-25	ILC-10-N		IDT-6, IDT-6H 6.2 Ton Dieless, IDTB-6, IDTB-6-LIO 6.2 Ton Dieless Battery	IVTB-6 6 Ton Dieless Battery	ILC-12-N, ILC-12H-N, ILC-12, ILC-12H, ILC-14, ILC-14H 12 Ton ILCB-12-N, ILCB-12, ILCB-12-LIO 12 Ton Battery	TM-12U1000, TR-12U1000, TB-12U1000 Series 12 Ton	IDT-12-N 15 Ton Dieless	IDT-12, IDT-12H, IDTB-12 11 Ton Dieless	TM-6DF1000, TR-6DF1000, TB-6DF1000 Series 6 Ton Dieless	ILC-15H 15 Ton, ILC-30H 30 Ton	TBM21E, TBM41E, TBM25S, TBM45S		TBM5S, TBM6S		HK06FT, RK06FT, EK06FT Series Dieless	HK1240, RK1240, EK1240 Series		RK1550, EK1550 Series	K111		RE 6 Dieless	RE 12-M		UM-U42, UR-U42, BLL-U42 Series 12 Ton		UM-4PT, UR-4PT, BLL-4PT Series 6 Ton Dieless	Lug Size
			Left Die	Right Die	# Crimps	# Crimps	Index #	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	Index #	# Crimps	Index #	# Crimps	# Crimps	Index #	# Crimps	# Crimps	# Crimps	Die Index	# Crimps	# Crimps	Die Index	# Crimps	# Crimps	
8 ** †	Red	21	M	K	2	1	Red	1		1	1	1		1	1	1	Red	1	Red	1		21	1	1	Red	1	1	21	1	1	1	8 ** †
6 ** †	Blue (p)	24 (p)	M	K	2	1	Blue	2	1	1	1	1		1	1	1	Blue	1 (m)	Blue	1	1	24 (p)	1	1	Blue	2	1	24 (p)	1	24 (p)	1	1	6 ** †
4 ** †	Gray	29	K	K	2	1	Gray	2	1	1	1 (n)	1 (n)	1	1	1	1	Gray	1 (h) (m)	Gray	1	1	29	1 (n)	1	Gray	2	1	29	1 (n)	29	1 (n)	1	4 ** †
3 **	White	29	K	K	2	1	Gray	2	1	1	1	1	1	1	1	1	Gray	1	Gray	1	1	29	1	1	Gray	2	1	29	1	29	1	1	3 **
2 ** †	Brown	33	H	H	2	2	Brown	2	1	1	1	1	1	1	1	1	Brown	1 (m)	Brown	1	1	33	1	1	Brown	2	1	33	1	33	1	1	2 ** †
1 **	Green	37	H	H	2	2	Green	2	1	1	1	1	1	1	1	1			Green	1	1	37	1	1	Green	2	1	37	1	37	1	1	1 **
1/0 **	Pink	42	E	A	2	2	Pink	4	1	1	1	1	1	1	1	1			Pink	1	1	42	1	1	Pink	4	1	42	1	42	1	1	1/0 **
2/0 **	Black	45	E	A	3	2			1	1	1	1	1	1	1	1			Black	1	1	45	1	1			1	45	1	45	1	1	2/0 **
3/0 **	Orange	50	A	C	3	2			2	1	1	1	1	1	1	1			Orange	1	2	50	1	1			1	50	1	50	1	1	3/0 **
4/0 **	Purple	54	A	B	3	2			2	1	1	1	1	1	1	1			Purple	1	2	54	1	1			1	54	1	54	1	1	4/0 **
250 **	Yellow	62	A	A	3	2			2	1	1	1	1	1	2	1			Yellow	1	2	62	1	1			1	62	1	62	1	2	250 **
300 **	White	66							2	1	2	2	1	1	2	2					2	66	2	2			1	66	2	66	2	2	300 **
350 **	Red	71							2	2	2	2	1	1	2	2					2	71	2	2			2	71	2	71	2	2	350 **
400 **	Blue	76							2	2	2	2	1	1	2	2					2	76	2	2			2	76	2	76	2	2	400 **
500 **	Brown	87							2	2	2	2	1	1	2	2					2	87	2	2			2	87	2	87	2	2	500 **
600	Green	94							2	2	2	2	1	1	3	2					2	94	2	2			2	94	2	94	2	3	600
650	Pink	99							2	2	2	2	1	1	3	2					2	99	2	2			2	99	2	99	2	3	650
700	Pink	99							3	2	2	2	1	1	3	2					3	99	2	2			2	99	2	99	2	3	700
750	Black	106							3	2	2	2	1	1	3	2					3	106	2	2			2	106	2	106	2	3	750
1000	White	125									2	2	1	1	3	2						125	2	2				125	2	125	2	3	1000

** See note f below
† See note k below

RANGE TAKING

Lug Size	Standard Wire Size	Expanded Wire Size	No. Crimps for ILSCO IDT-12, IDT-12-N	No. Crimps for ILSCO IDTB-6, IDTB-6-LIO, IDT-6 and IDT-6H	No. Crimps for ILSCO IVTB-6, Ridgid RE 6	No. Crimps for ILSCO TM-6DF1000, TR-6DF1000, TB-6DF1000 Series	No. Crimps for UTILCO UM-4PT, UR-4PT, BLL-4PT Series	No. Crimps for Greenlee HK06FT, RK06FT, EK06FT Series
4	4 AWG	4 - 6 AWG		1	1	1	1	1
3	3 AWG	3 - 6 AWG	1	1	1	1	1	1
2	2 AWG	2 - 6 AWG	1	1	1	1	1	1
1	1 AWG	1 - 6 AWG	1	1	1	1	1	1
1/0	1/0 AWG	1/0 - 6 AWG	1	1	1	1	1	1
2/0	2/0 AWG	2/0 - 4 AWG	1	1	1	1	1	1
3/0	3/0 AWG	3/0 - 2 AWG	1	2	1	1	1	2
4/0	4/0 AWG	4/0 - 1 AWG	1	2	1	1	1	2
250	250 kcmil	250 kcmil - 1/0 AWG	1	2	1	2	2	2
300	300 kcmil	300 kcmil - 2/0 AWG	1	2	1	2	2	2
350	350 kcmil	350 kcmil - 3/0 AWG	1	2	2	2	2	2
400	400 kcmil	400 kcmil - 4/0 AWG	1	2	2	2	2	2
500	500 kcmil	500 kcmil - 250 kcmil	1	2	2	2	2	2
600	600 kcmil	600 kcmil - 250 kcmil	1	2	2	3	3	2
700	700 kcmil	700 kcmil - 350 kcmil	1	3	2	3	3	3
750	750 kcmil	750 kcmil - 500 kcmil	1	3	2	3	3	3
1000	1000 kcmil	1000 kcmil - 750 kcmil	1			3	3	

UL Listed and CSA Certified when installed with tools and dies shown above

a) Number of crimps shown on chart must be on each end of the CT splicer connectors.
b) The CT connectors are marked with color, the die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly spaced on connector.
c) The ILSCO 94285, MT-25 and all dieless tools are not color coded or do not contain the die index.
d) Consult manufacturers data for catalog numbers of dies for each tool.
e) Strip Length = Barrel Length + 1/16 Inch
f) UL Complimentary Listed under category KDER and CSA Certified for Grounding & Bonding Applications, suitable for direct burial
g) For long barrel (CTL) connectors add one additional crimp to each side of barrel.
h) For #4 Compact Copper wire, 2 crimps are required for standard barrel connectors. (See note (g) above for long barrel (CTL) connectors.)
k) Rated for stranded or solid wire
m) For solid wire only use table below:

Lug Size	Index #	# Crimps
6	Blue	2
4	Blue	2
2	Brown	2

n) Stranded wire only
p) CT, CTL series #6 splice is also UL listed and CSA certified when crimped with red die (die index 21) using ILSCO ILC-12 series, ILC-15H, ILC-30H, or Ridgid RE 12-M crimp tools.

Series CT and CTL

Compression Connectors for Fine Strand Copper Wire Only (CU9)

WARNING! Do Not Use With Aluminum Wire

		ILSCO TOOLS														T&B TOOLS				GREENLEE TOOLS						RIDGID TOOLS			UTILCO TOOLS				
				Manual Hand Tools					Hydraulic Tools								Manual Tools				Hydraulic Tools				Manual Tool		Hydraulic Tools			Hydraulic Tools				
Lug Size	Fine Strand Wire Size	Color Code	Die Index	94285			ILC-10-N		IDT-6, IDT-6H 6.2 Ton Dieless, IDTB-6, IDTB-6-LIO 6.2 Ton Dieless Battery	IVTB-6 6 Ton Dieless Battery	ILC-12-N, ILC-12H-N, ILC-12, ILC-12H, ILC-14, ILC-14H 12 Ton ILCB-12-N, ILCB-12, ILCB-12-LIO 12 Ton Battery	TM-12U1000, TR-12U1000, TB-12U1000 Series 12 Ton	IDT-12-N 15 Ton Dieless	IDT-12, IDT-12H IDTB-12 11 Ton Dieless	TM-6DF1000, TR-6DF1000, TB-6DF1000 Series 6 Ton Dieless	ILC-15H 15 Ton, ILC-30H 30 Ton	TBM21E, TBM41E,	TBM25S, TBM45S	TBM5S, TBM6S		HK06FT, RK06FT, EK06FT Series Dieless	HK1240, RK1240, EK1240 Series		RK1550, EK1550 Series	K111		RE 6 Dieless	RE 12-M		UM-U42, UR-U42, BLL-U42 Series 12 Ton		UM-4PT, UR-4PT, BLL-4PT Series 6 Ton Dieless	Fine Strand Wire Size	Lug Size
				Left Die	Right Die	# Crimps	Index #	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	Index #	# Crimps	Index #	# Crimps	# Crimps	Die Index	# Crimps	# Crimps	Index #	# Crimps	# Crimps	Die Index	# Crimps	Die Index	# Crimps	# Crimps		
8 **	8	Red	21				Red	1		1	1	1			1	1	Red	1	Red	1		21	1	1	Red	1	1	21	1	21	1	1	8	8 **
6 **	6	Blue	24	M	K	2	Blue	2	1	1	1	1			1	1	Blue	1	Blue	1	1	24	1	1	Blue	2	1	24	1	24	1	1	6	6 **
3 **	4	White	29	K	K	2	Gray	2	1	1	1	1	1	1	1	1	Gray	1	Gray	1	1	29	1	1	Gray	2	1	29	1	29	1	1	4	3 **
2 **	4																Gray	1	Gray	1													4	2 **
1 **	2	Green	37	H	H	2	Green	2	1	1	1	1	1	1	1	1			Brown	1	1	37	1	1	Green	3	1	37	1	37	1	1	2	1 **
1/0 **	1	Pink	42	H	H	2	Pink	4	1	1	1	1	1	1	1	1			Green	1	1	42	1	1	Pink	4	1	42	1	42	1	1	1	1/0 **
2/0 **	1/0	Black	45	E	A	3			1	1	1	1	1	1	1	1			Pink	1	1	45	1	1			1	45	1	45	1	1	1/0	2/0 **
3/0 **	2/0	Orange	50	E	A	3			2	1	1	1	1	1	2	1			Black	1	2	50	1	1			1	50	1	50	1	2	2/0	3/0 **
4/0 **	3/0	Purple	54	A	B	3			2	1	1	1	1	1	2	1			Orange	1	2	54	1	1			1	54	1	54	1	2	3/0	4/0 **
250 **	4/0	Yellow	62	A	B	3			2	1	1	1	1	1	2	1			Purple	1	2	62	1	1			1	62	1	62	1	2	4/0	250 **
300 **	250	White	66						2	1	2	2	1	1	2	2					2	66	2	2			1	66	2	66	2	2	250	300 **
350 **	250, 262	Red	71						2	2	2	2	1	1	2	2					2	71	2	2			2	71	2	71	2	2	250, 262	350 **
400 **	300, 313	Blue	76						2	2	2	2	1	1	2	2					2	76	2	2			2	76	2	76	2	2	300, 313	400 **
500 **	350, 373	Brown	87						2	2	2	2	1	1	2	2					2	87	2	2			2	87	2	87	2	2	350, 373	500 **
600	400, 444	Green	94						2	2	2	2	1	1	2	2					2	94	2	2			2	94	2	94	2	2	400, 444	600
650	500, 535	Pink	99						2	2	2	2	1	1	2	2					2	99	2	2			2	99	2	99	2	2	500, 535	650
700	500, 535	Pink	99						3	2	3	3	1	1	3	3					3	99	3	3			2	99	3	99	3	3	500, 535	700
750	600, 646	Black	106						3	2	3	3	1	1	3	3					3	106	3	3			2	106	3	106	3	3	600, 646	750
1000	750, 777	White	125								3	3	1	1	3	3						125	3	3				125	3	125	3	3	750, 777	1000

** See note f below

Approved Wire Classes

	B		C		G		H		I		K		M		DLO	
							MOTOR LEAD				WELDING		WELDING		LOCOMOTIVE	
Lug Size	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR
8	8	7	8	19	8	49	8	133	8	41	8	168	8	420	8	37
6	6	7	6	19	6	49	6	133	6	63	6	266			6	61
4	4	7	4	19												
3	3	7	3	19	4	49	4	133	4	105	4	420	4	1064	4	105
2	2	7	2	19	4	49	4	133	4	105	4	420	4	1064	4	105
1	1	19	1	37	2	49	2	133	2	161	2	665	2	1666	2	150
1/0	1/0	19	1/0	37	1	133	1	259	1	210	1	836	1	2107	1	225
2/0	2/0	19	2/0	37	1/0	133	1/0	259	1/0	266	1/0	1064	1/0	2646	1/0	275
3/0	3/0	19	3/0	37	2/0	133	2/0	259	2/0	342	2/0	1323	2/0	3325	2/0	325
4/0	4/0	19	4/0	37	3/0	133	3/0	259	3/0	418	3/0	1666	3/0	4256	3/0	450
250	250	37	250	61	4/0	133	4/0	259	4/0	532	4/0	2107	4/0	5320	4/0	532
300	300	37	300	61	250	259	250	427								
350	350	37	350	61					250	637	250	2499	250	6384	262.6	650
400	400	37	400	61	300	259	300	427	300	735	300	2989	300	7581	313.3	775
500	500	37	500	61	350	259	350	427	350	882	350	3458	350	8806	373.7	925
600	600	61	600	91	400	259	400	427	400	980	400	3990	400	10101	444	1150
650	600	61	600	91	500	259	500	427	500	1225	500	5054	500	12691	535.3	1325
700	700	61	700	91	500	259	500	427	500	1225	500	5054	500	12691	535.3	1325
750	750	61	750	91	600	427	600	703	600	1470			600	14945	646	1591
1000	1000	61	1000	91	750	427	750	703	750	1862					777	1924

UL Listed and CSA Certified when installed with tools and dies shown above

a) Number of crimps shown on chart must be on each end of the CT splicer connectors.
b) The CT connectors are marked with color, the die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly spaced on connector.
c) The ILSCO 94285, MT-25 and all dieless tools are not color coded or do not contain the die index.
d) Consult manufacturers data for catalog numbers of dies for each tool.
e) Strip Length = Barrel Length + 1/16 Inch
f) UL Complimentary Listed under category KDER and CSA Certified for Grounding & Bonding Applications
g) For long barrel (CTL) connectors add one additional crimp to each side of barrel.

Information Sheet

Series CS, CL Compression Connectors for Class B/C Copper Wire Only (CU9)

RoHS Compliant

UL LISTED 453G

SA LR-29601

A

Features **Benefits**

Lug Size	Standard Wire Size (AWG)	Exapnded Wire Range (AWG)	ILSCO		KST		Burndy						T&B				Panduit	
			ILST-22K with Die "D1322"		KST20000D-1322		Y8MRB-1		MRE-1022B*		MR-20		ERG2002, ERG4002		BAT22-6 with die "2002"		CT-1570	
			Die Nest	Crimps	Die Nest	Crimps	Die Nest	Crimps	Die Nest	Crimps	Die Nest	Crimps	Die Nest	Crimps	Die Nest	Crimps	Die Nest	Crimps
10	10 Sol/Str	10-14 Str 10-14 Sol	12-10	1	12-10	1	10	1	12-10	1	12-10	1	C	1	C	1	12-10	1

* Expanded Wire Range using Burndy MRE1022B is 10-12 Sol/Str

Additional Information

1. UL Listed to Category ZMVV and complimentary listed to category KDER when installed with the above listed tools
2. Recommended Strip Length = Barrel Length + 1/16 inch

4730 Madison Road, Cincinnati OH 45227-1426 | PH: 513.533.6200 | FAX: 513.871.4084 | www.ilsco.com
In Canada: 615 B Orwell Street, Mississauga, Ontario, Canada L5A 2W4 | PH: 905.274.2341 | FAX: 905.279.2682

Compression Dies for Aluminum Connectors

RoHS Compliant

A

Features **Benefits**

Compressor Dies For ILC-12-N, ILC-12H-N, ILCB-12 Series (Hydraulic Tools) TB-12U1000-P, TM-12U1000, TR-12U1000

Catalog Number	Die Color Code	Connector Series ALNS, ALND, ALNN Wire Size
ILD-374	Blue	#8
ILD-346	Gray	#6
ILD-375	Green	#4
ILD-348	Pink	#2
ILD-471	Gold	#1
ILD-296	Tan	1/0
ILD-297	Olive	2/0
ILD-467	Ruby	3/0
ILD-298	White	4/0
ILD-324	Red	250kcmil
ILD-470	Blue	300kcmil
ILD-299	Brown	350kcmil
ILD-472	Green	400kcmil
ILD-300	Pink	500kcmil
ILD-473	Black	600kcmil
ILD-936	Yellow	700/750kcmil

Compressor Dies For ILC-12, ILC-12-N, ILC-12H, ILC-12H-N, ILCB-12, ILCB-12-N, ILCB-12-LIO, ILC-14, ILC-14H, ILC-15, ILC-15H, ILC-750, TB-12U1000-P, TM-12U1000, TR-12U1000

Catalog Number	Class B/C Copper Wire Only Sereis CS, CL, CT, CTL, F2C	Fine Strand Copper Wire Only Series CS, CL, CT, CTL, F2C
ILD-21	8 AWG	8 FLEX CLASS G,H,I,K,M,DLO
ILD-24-1	6 AWG, 5 AWG	6 FLEX CLASS G,H,I,K,M,DLO
ILD-29-1	4-3 AWG	4 FLEX CLASS G,H,I,K,M,DLO
ILD-33	2 AWG	-
ILD-37	1 AWG	2 FLEX CLASS G,H,I,K,M,DLO
ILD-42	1/0 AWG	1 FLEX CLASS G,H,I,K,M,DLO
ILD-45	2/0 AWG	1/0 FLEX CLASS G,H,I,K,M,DLO
ILD-50	3/0 AWG	2/0 FLEX CLASS G,H,I,K,M,DLO
ILD-54	4/0 AWG	3/0 FLEX CLASS G,H,I,K,M,DLO
ILD-62	250kcmil	4/0 FLEX CLASS G,H,I,K,M,DLO
ILD-66	300kcmil	250 G,H
ILD-71	350kcmil	250 I,K,M, 262 DLO
ILD-76	400kcmil	300 G,H,I,K,M, 313 DLO
ILD-87	500kcmil	350 G,H,I,K,M, 373 DLO
ILD-94	600kcmil	400 G,H,I,K,M, 444 DLO
ILD-99	700kcmil	500 G,H,I,K,M, 535 DLO
ILD-106	750kcmil	600 G,H,I,M, 646 DLO
ILD-125	1000kcmil	750 G,H,I, 777 DLO

Compression Die Index

RoHS Compliant

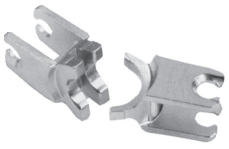
A

Features **Benefits**

Compressor Dies For ILC-12-N, ILC-12H-N, ILCB-12-N, ILC-15H, ILC-12, ILC-12H, ILC-14, ILC-14H, ILCB-12, ILCB-12-LIO, ILC-15, ILC-750, TB-12U1000-P, TM-12U1000, TR-12U1000

	Wire Size		
Catalog Number	Legacy Aluminum Terminals and Splices	ACM and ACO Pin Connectors	CPM Pin Connectors
ILD-2	8		
ILD-3	6		
ILD-4	4		
ILD-5			
ILD-6			
ILD-7	2, 1		
ILD-8	1/0	6, 4, 2, 1	
ILD-9	6, 4, 2, 1		
ILD-10	2/0, 3/0		
ILD-11			
ILD-12	4/0	1/0, 2/0, 3/0, 4/0	1/0, 2/0, 3/0, 4/0
ILD-13	250kcmil		
ILD-14	300kcmil, 350kcmil	250kcmil, 300kcmil, 350kcmil	250kcmil, 300kcmil, 350kcmil
ILD-15			
ILD-16	400kcmil		
ILD-16A	*500kcmil	400kcmil, 500kcmil	400kcmil,500kcmil
ILD-17	*600kcmil, *700kcmil		
ILD-18	*700kcmil	600kcmil, 750kcmil	600 kcmil,750kcmil
ILD-P302+	‡1000kcmil		

* Cannot be used on Sleeves with ILC-12-N, ILC-12H-N, ILC-12 and ILC-12H tools
‡ For use on ALNN-1000-12-134
+ For use with ILC-15 or ILC-15H, must be used with ILD-PADP when using ILC-15H



Type W Dies For ND-60, ND-58, TB-6WBG500-I, TB-6WO500-I, TB-6WD3500-I

	For Use With...	
Catalog Number	Aluminum Compression Connectors	Copper Compression Connectors
ND-O	HT-1, HT-2, AH-1	GGC-1, GGA-1, GGA-2, GGA-4
ND-BG	PICS-61 thru PICS-78	ULT-4, ULT-5
ND-C		ULT-6, ULT-7
ND-K-840	UCS-2/0, UCS-3/0, UCS-4/0, UCS-250, PICS-834 thru PICS-869	-
ILD-37	1 AWG	2 FLEX CLASS G,H,I,K,M,DLO
ILD-42	1/0 AWG	1 FLEX CLASS G,H,I,K,M,DLO

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Compression Dies

RoHS Compliant

A

FOR TYPE
ILC-15
ILC-15H
ILC-750

Figure 1

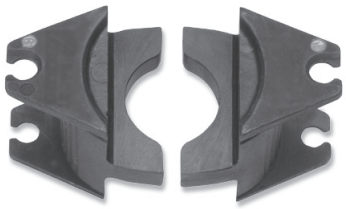


Figure 2

Catalog Number	Figure Number	For Use With...	
		Aluminum Compression Connectors	Copper Compression Connectors
ILD-K-840*+	1	UCS-2/0, UCS-3/0, UCS-4/0, UCS-250, PICS-834 through PICS-869	
ILD-C*+	1		ULT-6-Z, ULT-7-Z, ELT-1
ILD-D3*+	1	HT-2, HT-3, HT-4, HT-5, HT-7, AH-2, AH-3, AH-4	ULT-10-Z, ULT-11-Z, ULT-12-Z, CDT-308-8, CDT-307-8
ILD-O*	1	HT-1, HT-6, HT-8, AH-1	GGC-1, GGA-1, GGA-2, GGA-4, ELT-2, ELT-4, CDT-304-8, CDT-303-8, ULT-8-Z, ULT-9-Z
ILD-N*+	1	AH-5, AH-6, AH-7	
ILD-KR+	2	AH-8, AH-9, AH-10, AH-11, AH-12	AH-10, AH-11, AH-12
ILD-997*+	1		GGA-2, GGA-3, GGA-4, GGA-5, GGA-9, GGC-2, GGC-3, GGC-4, ELT-3, ELT-5, CGP2-2250, CGP4-2250
ILD-998+	1		GGA-4, GGA-5, GGC-5, GGC-6, GGC-7, GGC-9, CGP2-250500, CGP4-250500, RLT-4TN, RLT-7TN, RLT-8TN, RLT-9TN, RLT-2 through RLT-13
ILD-P998°	2	Can only be used with ILC-15 or ILC-15H	GGA-4, GGA-5, GGB-1 thru GGB-8, GGC-5, GGC-6, GGC-7, RLT
ILD-P999°	2	Can only be used with ILC-15 or ILC-15H	GGA-6, GGC-8
ILD-1011+	1		GGA-6, GGC-8, ELT-6, ELT-7, ELT-8, RLT-4TN, RLT-7TN, RLT-8TN, RLT-9TN, RLT-2 through RLT-13
ILD-P1011°	2	Can only be used with ILC-15 or ILC-15H	GGA-6, GGC-8, RLT
ILD-BG	1	PICS-61 thru PICS-78	ULT-3-Z, ULT-4-Z, ULT-5-Z, CST-301, CST-302, CDT-399-8, CDT-398-8
ILD-P302o	1	ALNN, Can only be used with ILC-15 or ILC-15H	
ILD-238	-		ULT-1-Z
ILD-162	-		ULT-2-Z
ILD-Precrimp	-		1/2, 5/8, 3/4, Ground Rod Pre Crimp Die

* May also be used with ILC-12-N, ILC-12H-N, ILCB-12-N, ILC-12, ILC-12H, ILCB-12
\+ Must be used with ILD-ADP when using ILC-15, must be used with ILD-PADP when using ILC-15H
° Must be used with ILD-PADP when using ILC-15H

Die Adaptors

FOR TYPE
ILC-15
ILC-15H

Figure 1

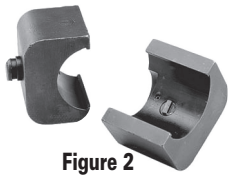


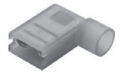
Figure 2

Figure 3

Figure 4

Catalog Number	Figure Number	Description	Die Color Code
ILD-ADP	1	Permits ILD Series to be inserted in ILC-15 or ILC-15H tool, if using ILC-15H ILD-PADP must be used as well	#8
ILD-UADP	2	Permits ILD Series to be inserted in ILC-15 or ILC-15H tool	#6
ILD-PADP	3	Permits "P" style dies to be inserted in ILC-15H tool	#4
ILD-P302	4	1000kcmil, ILD-PADP die adaptor must be used	Brown

ILSCONS

Insulated Ring Terminals 92	Spades/Forks Flanged Forks 93	Splices, Disconnects, Bullets 94	Crimp 'N Seal® Kits 95	Ring Terminals Non-Insulated 96-99	Ring Terminals Vinyl Insulated 100-101
Ring Terminals Nylon Insulated 102	High Temperature Ring Terminals Non-Insulated 103	Ring Terminals Nylon Insulated Heavy Duty Double Crimp 104	Ring Terminals Multi Stud 105	Spade Terminals Non-Insulated 106	Spade Terminals Vinyl Insulated 107
Spade Terminals Nylon Insulated 108	Spade Terminals Nylon Insulated Heavy Duty Double Crimp 109	Locking Spade Terminals Non-Insulated 110	Locking Spade Terminals Nylon Insulated 111	Locking Spade Terminals Vinyl Insulated 112	Locking Spade Terminals Nylon Insulated Heavy Duty Double Crimp 113
Flanged Spade Terminals Non-Insulated 114	Flanged Spade Terminals Nylon Insulated 115	Flanged Spade Terminals Vinyl Insulated 116	Flanged Spade Terminals Nylon Insulated Heavy Duty Double Crimp 117	Fork Terminals Non-Insulated 118	Fork Terminals Nylon Insulated 119
Fork Terminals Vinyl Insulated 120	Fork Terminals Nylon Insulated Heavy Duty Double Crimp 121	Disconnect Terminals Standard Female 122	Disconnect Terminals Standard Male 123	Disconnect Terminals Fully Insulated 124	Disconnect Terminals Fully Insulated, Flag  125
	Disconnect Terminals Bullet 126	Pin Terminals Insulated 127	Splices Non-Insulated 128	Splices Vinyl Insulated 129	Splices Insulated 130
			Cool Seal® Splices Sealed; Insulated 131	Crimping Tools 94130 132	Crimping Tools 94145 132

Crimp 'N Seal®
Watertight Connectors - Heat Shrinkable Insulated Ring Terminals

RoHS Compliant

UL LISTED 8M24

TYPE
CNS

Features
- Dual wall tubing
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Silver solder brazed seam
- UL Listed and CSA Certified for 600 volts, 90˚C
- Serrated barrel
- Packaged in convenient small quantities

Benefits
- Irradiated, thermally stabilized, high density polyolefin has inner wall of hot melt adhesive to insure watertight seal
- Provides easy wire range identification. #22-18 AWG Red, #16-14 AWG Blue, #12-10 AWG Yellow
- Provides maximum conductivity
- Provides low contact resistance
- May be crimped anywhere and will not split open, even under extreme operating stresses
- Ensures reliability for copper conductor
- "V" grooves inside barrel securely grip wire and prevent pullout
- Can be displayed on merchandise racks

Insulated Ring Terminals

Catalog Number	Wire Range	Stud Size	Maximum Wire Insulation
31112-B10	18-22	6	.170
31113-B10	18-22	8	.170
31114-B10	18-22	10	.170
31115-B10	18-22	1/4"	.170
31312-B10	14-16	6	.190
31313-B10	14-16	8	.190
31314-B10	14-16	10	.190
31315-B10	14-16	1/4"	.190
31316-B10	14-16	5/16"	.190
31317-B10	14-16	3/8"	.190
31413-B10	10-12	8	.240
31414-B10	10-12	10	.240
31415-B10	10-12	1/4"	.240
31417-B10	10-12	3/8"	.240
31419-B10	10-12	1/2"	.240
31514-B5	8	10	.310
31515-B5	8	1/4"	.310
31517-B5	8	3/8"	.310
31519-B5	8	1/2"	.310

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Can be supplied in bulk. Consult factory for part number.
UL File E158587

Crimp 'N Seal®
Watertight Connectors - Heat Shrinkable
Spades/Forks, Flanged Forks

RoHS Compliant

UL LISTED 8M24

TYPE
CNS

A1

Features
- Dual wall tubing
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Silver solder brazed seam
- UL Listed and CSA Certified for 600 volts, 90˚C
- Serrated barrel
- Packaged in convenient small quantities

Benefits
- Irradiated, thermally stabilized, high density polyolefin has inner wall of hot melt adhesive to insure watertight seal
- Provides easy wire range identification. #22-18 AWG Red, #16-14 AWG Blue, #12-10 AWG Yellow
- Provides maximum conductivity
- Provides low contact resistance
- May be crimped anywhere and will not split open, even under extreme operating stresses
- Ensures reliability for copper conductor
- "V" grooves inside barrel securely grip wire and prevent pullout
- Can be displayed on merchandise racks

Spades/Forks

Catalog Number	Wire Range	Stud Size	Maximum Wire Insulation
31122-B10	18-22	6	.170
31123-B10	18-22	8	.170
31124-B10	18-22	10	.170
31322-B10	14-16	6	.190
31323-B10	14-16	8	.190
31324-B10	14-16	10	.190
31422-B10	10-12	6	.240
31423-B10	10-12	8	.240
31424-B10	10-12	10	.240

Flanged Forks

Catalog Number	Wire Range	Stud Size	Maximum Wire Insulation
31122FL-B10	18-22	6	.170
31123FL-B10	18-22	8	.170
31124FL-B10	18-22	10	.170
31322FL-B10	14-16	6	.190
31323FL-B10	14-16	8	.190
31324FL-B10	14-16	10	.190
31422FL-B10	10-12	6	.240
31423FL-B10	10-12	8	.240
31424FL-B10	10-12	10	.240

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Crimp 'N Seal®
Watertight Connectors - Heat Shrinkable Splices, Disconnects, Bullets

RoHS Compliant

UL LISTED 8M24

TYPE
CNS

A1

Features
- Dual wall tubing
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Silver solder brazed seam
- UL Listed and CSA Certified for 600 volts, 90˚C
- Serrated barrel
- Packaged in convenient small quantities

Benefits
- Irradiated, thermally stabilized, high density polyolefin has inner wall of hot melt adhesive to insure watertight seal
- Provides easy wire range identification. #22-18 AWG Red, #16-14 AWG Blue, #12-10 AWG Yellow
- Provides maximum conductivity
- Provides low contact resistance
- May be crimped anywhere and will not split open, even under extreme operating stresses
- Ensures reliability for copper conductor
- "V" grooves inside barrel securely grip wire and prevent pullout
- Can be displayed on merchandise racks

Butt Splices

Catalog Number	Wire Range	Maximum Wire Insulation
31130-B10	18-22	.170
31330-B10	14-16	.190
31430-B10	10-12	.240
31530-B5	8	.310

Quick Disconnects

Catalog Number	Wire Range	Tab Size	Style	Maximum Wire Insulation
30185-B10	18-22	.187 x .020	Male	.170
30195-B10	18-22	.187 x .020	Female	.170
30187-B10	18-22	.250 x .032	Male	.170
30197-B10	18-22	.250 x .032	Female	.170
30385-B10	14-16	.187 x .020	Male	.190
30395-B10	14-16	.187 x .020	Female	.190
30387-B10	14-16	.250 x .032	Male	.190
30397-B10	14-16	.250 x .032	Female	.190
30487-B10	10-12	.250 x .032	Male	.240
30497-B10	10-12	.250 x .032	Female	.240

Bullets/Receptacles

Catalog Number	Wire Range	Style	Maximum Wire Insulation
31369-B10	14-16	Male	.190
30379-B10	14-16	Female	.190

TYPE
ILSCONS
A1

Features
Crimp 'N Seal heat shrink connector kits provide a convenient and durable assortment of our most popular terminals.

Crimp 'N Seal® Splice Kit

Catalog Number 99102 Polyolefin Crimp 'N Seal®

A handy kit that includes our high quality ratchet crimp tool and our three most popular splices.

Kit Includes:

15	22-18 CNS Butt Splice	15	12-10 CNS Butt Splice
15	16-14 CNS Butt Splice	1	94130 CNS Ratchet Crimp Tool

Crimp 'N Seal® Terminal Kit

Catalog Number 99300 Polyolefin Crimp 'N Seal®

A versatile kit with everything you need to cut, crimp, heat and seal your connection.

Kit Includes:

15	22-18 CNS Butt Splice	20	16-14 1/4" Stud Ring Terminal
15	16-14 CNS Butt Splice	10	16-14 Fully Insulated Male Disc.
15	12-10 CNS Butt Splice	10	16-14 Fully Insulated Female Disc.
20	22-18 #10 Stud Ring Terminal	1	94145 Multi-Purpose Crimp Tool
20	16-14 #10 Stud Ring Terminal	1	94700 Shrink Jet Butane Heat Tool
20	12-10 #10 Stud Ring Terminal		

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Ring Terminals
Standard; Non-Insulated

RoHS Compliant

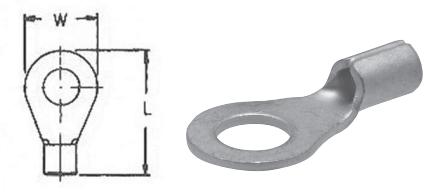
c UL us LISTED 20U0

TYPE
ILSCONS

Features
- Ring tongue
- Manufactured from high strength copper alloy
- Electro-tin plated
- Funnel wire entry
- Brazed barrel
- UL Listed

Benefits
- Secure termination that cannot be removed unless the mounting screw is removed
- Offers maximum conductivity
- Provides low contact resistance
- Smooth wire insertion into barrel
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor

A1



Catalog Number	Wire Range	Stud Size	Dimensions - in. (mm) L	Dimensions - in. (mm) W	Installation Tool ILST-22K	Package Quantity
BRBR-18-6-P50	18-22	6	0.622 (15.8)	0.315 (8.0)	Die Set D1322	50
BRBR-18-8-P50	18-22	8	0.622 (15.8)	0.315 (8.0)	Die Set D1322	50
BRBR-18-10-P50	18-22	10	0.622 (15.8)	0.315 (8.0)	Die Set D1322	50
BRBR-18-14-P50	18-22	1/4	0.858 (21.8)	0.457 (11.6)	Die Set D1322	50
BRBR-18-516-P50	18-22	5/16	0.858 (21.8)	0.457 (11.6)	Die Set D1322	50
BRBR-18-38-P25	18-22	3/8	1.004 (25.5)	0.535 (13.6)	Die Set D1322	25
BRBR-14-6-P50	14-16	6	0.504 (12.8)	0.260 (6.6)	Die Set D1322	50
BRBR-14-8-P50	14-16	8	0.650 (16.5)	0.335 (8.5)	Die Set D1322	50
BRBR-14-10-P50	14-16	10	0.650 (16.5)	0.335 (8.5)	Die Set D1322	50
BRBR-14-14-P50	14-16	1/4	0.858 (21.8)	0.472 (12.0)	Die Set D1322	50
BRBR-14-516-P50	14-16	5/16	0.858 (21.8)	0.472 (12.0)	Die Set D1322	50
BRBR-14-38-P25	14-16	3/8	1.004 (25.5)	0.535 (13.6)	Die Set D1322	25
BRBR-14-12-P50	14-16	1/2	1.197 (30.4)	0.756 (19.2)	Die Set D1322	50
BRBR-10-6-P50	10-12	6	0.748 (19.0)	0.374 (9.5)	Die Set D1322	50
BRBR-10-8-P50	10-12	8	0.748 (19.0)	0.374 (9.5)	Die Set D1322	50
BRBR-10-10-P50	10-12	10	0.748 (19.0)	0.374 (9.5)	Die Set D1322	50
BRBR-10-14-P50	10-12	1/4	0.886 (22.5)	0.472 (12.0)	Die Set D1322	50
BRBR-10-516-P50	10-12	5/16	1.063 (27.0)	0.591 (15.0)	Die Set D1322	50
BRBR-10-38-P25	10-12	3/8	1.063 (27.0)	0.591 (15.0)	Die Set D1322	25
BRBR-10-12-P25	10-12	1/2	1.244 (31.6)	0.756 (19.2)	Die Set D1322	25

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

Ring Terminals
Non-Insulated

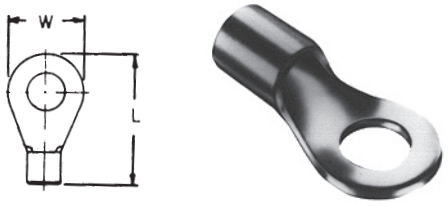
RoHS Compliant

UL LISTED 8M24

TYPE
ILSCONS
A1

Features
- Manufactured from high strength copper alloy
- Electro-tin plated
- Silver solder brazed seam

Benefits
- Provides maximum conductivity
- Provides low contact resistance
- May be crimped anywhere and will not split open, even under extreme operating stresses



Catalog Number	Wire Range	Stud Size	Dimensions	
			L	W
44130-B10	8	10	1.20	.59
44131-B10	8	1/4	1.20	.59
44140-B10	6	10	1.18	.47
44141-B10	6	1/4	1.18	.47
44142-B10	6	5/16	1.26	.63
44143-B10	6	3/8	1.26	.63

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Can be supplied in bulk. Consult factory for part number. UL File E158587

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Ring Terminals
Non-Insulated

RoHS Compliant

UL LISTED 8M24

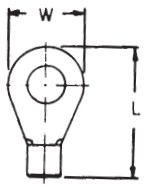
CSA

TYPE
ILSCONS

Features
- Manufactured from high strength copper alloy
- Electro-tin plated
- Silver solder brazed seam

Benefits
- Provides maximum conductivity
- Provides low contact resistance
- May be crimped anywhere and will not split open, even under extreme operating stresses

A1



Catalog Number	Wire Range	Stud Size	Dimensions	
			L	W
44150-B10	4	10	1.30	.66
44151-B10	4	1/4	1.30	.66
44152-B10	4	5/16	1.30	.66
44153-B10	4	3/8	1.30	.66
44154-B10	4	7/16	1.30	.66
44155-B10	4	1/2	1.90	.88
44160-B10	2	10	1.55	.60
44161-B10	2	1/4	1.55	.60
44162-B10	2	5/16	1.55	.70
44163-B10	2	3/8	1.55	.70
44164-B10	2	7/16	1.55	.81
44165-B10	2	1/2	1.93	.81
44170-B2	1/0	1/4	1.93	.88
44171-B2	1/0	5/16	1.93	.88
44172-B2	1/0	3/8	1.93	.88
44173-B2	1/0	7/16	1.93	.88
44174-B2	1/0	1/2	1.93	.88

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Can be supplied in bulk. Consult factory for part number. UL File E158587

Ring Terminals
Non-Insulated

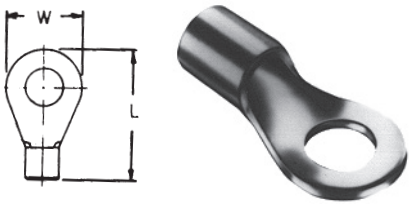
RoHS Compliant

UL LISTED 8M24

TYPE
ILSCONS
A1

Features
- Manufactured from high strength copper alloy
- Electro-tin plated
- Silver solder brazed seam

Benefits
- Provides maximum conductivity
- Provides low contact resistance
- May be crimped anywhere and will not split open, even under extreme operating stresses



Catalog Number	Wire Range	Stud Size	Dimensions	
			L	W
44180-B2	2/0	1/4	1.93	.88
44181-B2	2/0	5/16	1.93	.88
44182-B2	2/0	3/8	1.93	.88
44183-B2	2/0	7/16	1.93	.88
44184-B2	2/0	1/2	1.93	.88
44190-B2	3/0	1/4	1.97	.93
44191-B2	3/0	5/16	1.97	.93
44192-B2	3/0	3/8	1.97	.93
44193-B2	3/0	7/16	1.97	.93
44194-B2	3/0	1/2	1.97	.93
44195-B2	4/0	5/16	2.17	1.08
44196-B2	4/0	3/8	2.17	1.08
44197-B2	4/0	7/16	2.17	1.08
44198-B2	4/0	1/2	2.17	1.08

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Can be supplied in bulk. Consult factory for part number.

UL File E158587

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Ring Terminals
Standard; Vinyl Insulated

RoHS Compliant

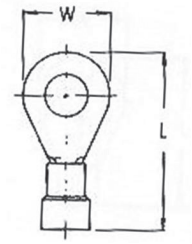
c UL us LISTED 20U0

TYPE
ILSCONS

Features
- Ring tongue
- Funnel wire entry
- Vinyl insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105˚ C

Benefits
- Secure termination that cannot be removed unless the mounting screw is removed
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor

A1



Catalog Number	Wire Range	Stud Size	Dimensions - in. (mm)		Installation Tool ILST-22K	Package Quantity
			L	W		
VRBR-18-4-P50	18-22	4	0.689 (17.5)	0.217 (5.5)	Die Set A	50
VRBR-18-6-P50	18-22	6	0.819 (20.8)	0.315 (8.0)	Die Set A	50
VRBR-18-8-P50	18-22	8	0.819 (20.8)	0.315 (8.0)	Die Set A	50
VRBR-18-10-P50	18-22	10	1.055 (26.8)	0.457 (11.6)	Die Set A	50
VRBR-18-14-P50	18-22	1/4	1.055 (26.8)	0.457 (11.6)	Die Set A	50
VRBR-18-516-P50	18-22	5/16	1.055 (26.8)	0.457 (11.6)	Die Set A	50
VRBR-18-38-P25	18-22	3/8	1.201 (30.5)	0.535 (13.6)	Die Set A	25
VRBR-14-6-P50	14-16	6	0.858 (21.8)	0.335 (8.5)	Die Set A	50
VRBR-14-8-P50	14-16	8	0.858 (21.8)	0.335 (8.5)	Die Set A	50
VRBR-14-10-P50	14-16	10	0.858 (21.8)	0.335 (8.5)	Die Set A	50
VRBR-14-14-P50	14-16	1/4	1.055 (26.8)	0.472 (12.0)	Die Set A	50
VRBR-14-516-P50	14-16	5/16	1.055 (26.8)	0.472 (12.0)	Die Set A	50
VRBR-14-38-P25	14-16	3/8	1.201 (30.5)	0.535 (13.6)	Die Set A	25
VRBR-14-12-P25	14-16	1/2	1.394 (35.4)	0.756 (19.2)	Die Set A	25
VRBR-10-6-P25	10-12	6	0.894 (22.7)	0.283 (7.2)	Die Set A	25
VRBR-10-8-P25	10-12	8	1.024 (26.0)	0.374 (9.5)	Die Set A	25
VRBR-10-10-P25	10-12	10	1.024 (26.0)	0.374 (9.5)	Die Set A	25
VRBR-10-14-P25	10-12	1/4	1.161 (29.5)	0.472 (12.0)	Die Set A	25
VRBR-10-516-P25	10-12	5/16	1.339 (34.0)	0.591 (15.0)	Die Set A	25
VRBR-10-38-P25	10-12	3/8	1.339 (34.0)	0.591 (15.0)	Die Set A	25
VRBR-10-12-P25	10-12	1/2	1.520 (38.6)	0.756 (19.2)	Die Set A	25

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

Ring Terminals
Vinyl Insulated

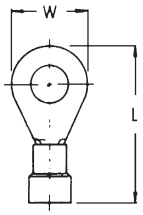
RoHS Compliant

UL LISTED 8M24

TYPE
ILSCONS
A1

Features
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Vinyl insulation

Benefits
- Provides easy wire range identification
- #22-18 AWG Red, #16-14 AWG Blue, #12-10 AWG Yellow
- Provides maximum conductivity
- Provides low contact resistance
- Provides tough pliable insulative qualities to protect connectors and wire from corrosion as well as providing some strain relief



Catalog Number	Wire Range	Stud Size	Dimensions		Maximum Wire Insulated Diameter
			L	W	
44230-B5	8	10	1.28	.47	.385
44231-B5	8	1/4	1.28	.47	.385
44240-B5	6	10	1.62	.47	.440
44241-B5	6	1/4	1.62	.47	.440
44242-B5	6	5/16	1.70	.63	.440
44243-B5	6	3/8	1.70	.63	.440
44250-B5	4	10	1.81	.66	.515
44251-B5	4	1/4	1.81	.66	.515
44252-B5	4	5/16	1.81	.66	.515
44253-B5	4	3/8	1.81	.66	.515
44254-B5	4	7/16	1.81	.66	.515
44255-B5	4	1/2	2.41	.88	.515

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* Nylon Insulated Ring Can be supplied in bulk. Consult factory for part number. UL File E158587

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Ring Terminals
Standard; Nylon Insulated

RoHS Compliant

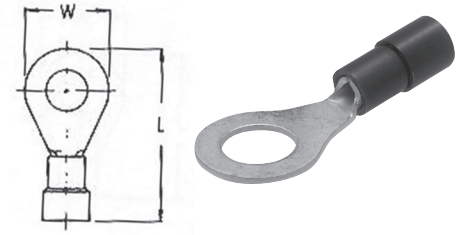
c UL us LISTED 20U0

TYPE
ILSCONS

A1

Features
- Ring tongue
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105˚ C

Benefits
- Secure termination that cannot be removed unless the mounting screw is removed
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will n ot split open, prevents wire pull out
- Ensures reliability for copper conductor



Catalog Number	Wire Range	Stud Size	Dimensions - in. (mm)		Installation Tool ILST-22K	Package Quantity
			L	W		
NRBR-18-6-P50	18-22	6	0.858 (21.8)	0.315 (8.0)	Die Set A	50
NRBR-18-8-P50	18-22	8	0.858 (21.8)	0.315 (8.0)	Die Set A	50
NRBR-18-10-P50	18-22	10	1.094 (27.8)	0.457 (11.6)	Die Set A	50
NRBR-18-14-P50	18-22	1/4	1.094 (27.8)	0.457 (11.6)	Die Set A	50
NRBR-18-516-P50	18-22	5/16	1.094 (27.8)	0.457 (11.6)	Die Set A	50
NRBR-18-38-P25	18-22	3/8	1.240 (31.5)	0.535 (13.6)	Die Set A	25
NRBR-14-6-P50	14-16	6	0.898 (22.8)	0.335 (8.5)	Die Set A	50
NRBR-14-8-P50	14-16	8	0.898 (22.8)	0.355 (9.0)	Die Set A	50
NRBR-14-10-P50	14-16	10	0.898 (22.8)	0.355 (9.0)	Die Set A	50
NRBR-14-14-P50	14-16	1/4	1.094 (27.8)	0.472 (12.0)	Die Set A	50
NRBR-14-516-P50	14-16	5/16	1.094 (27.8)	0.472 (12.0)	Die Set A	50
NRBR-14-38-P25	14-16	3/8	1.240 (31.5)	0.535 (13.6)	Die Set A	25
NRBR-14-12-P25	14-16	1/2	1.433 (36.4)	0.512 (13.0)	Die Set A	25
NRBR-10-6-P25	10-12	6	0.894 (22.7)	0.283 (7.2)	Die Set A	25
NRBR-10-8-P25	10-12	8	1.024 (26.0)	0.374 (9.5)	Die Set A	25
NRBR-10-10-P25	10-12	10	1.024 (26.0)	0.374 (9.5)	Die Set A	25
NRBR-10-14-P25	10-12	1/4	1.161 (29.5)	0.472 (12.0)	Die Set A	25
NRBR-10-516-P25	10-12	5/16	1.339 (34.0)	0.591 (15.0)	Die Set A	25
NRBR-10-38-P25	10-12	3/8	1.339 (34.0)	0.591 (15.0)	Die Set A	25
NRBR-10-12-P20	10-12	1/2	1.520 (38.6)	0.756 (19.2)	Die Set A	20

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

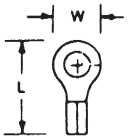
High Temperature
Non-Insulated Ring Terminals

RoHS Compliant

TYPE
ILSCONS
A1

Features
- Manufactured from high strength steel alloy
- Electro-tin plated
- Silver solder brazed seam
- 900˚ F 482˚ C Continuous, 1200˚ F 649˚ C Intermittent

Benefits
- Provides maximum conductivity
- Provides low contact resistance
- May be crimped anywhere and will not split open, even under extreme operating stresses



Catalog Number	Wire Range	Stud Size	Dimensions	
			L	W
44300-B20	18-22	4-6	.65	.25
44301-B20	18-22	8-10	.69	.31
44302-B20	18-22	12-1/4	.93	.56
44310-B20	14-16	4-6	.65	.25
44311-B20	14-16	8-10	.69	.31
44312-B20	14-16	12-1/4	.90	.46
44320-B20	10-12	4-6	.67	.28
44321-B20	10-12	8-10	.72	.37
44322-B20	10-12	12-1/4	.93	.53
44323-B20	10-12	5/16-3/8	.99	.60
44330-B10	8	12-1/4	.95	.47
44340-B10	6	5/16-3/8	1.22	.63

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Can be supplied in bulk. Consult factory for part number.

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Ring Terminals
Nylon Insulated Heavy Duty Double Crimp

RoHS Compliant

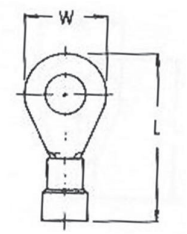
c UL us LISTED 20U0

TYPE
ILSCONS

A1

Features
- Ring tongue
- Barrel allows for two crimps
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105° C

Benefits
- Secure termination that cannot be removed unless the mounting screw is removed
- Provides strain relief, prevents exposure of wire conductors
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



Catalog Number	Wire Range	Stud Size	Dimensions - in. (mm)		Installation Tool ILST-22K	Package Quantity
			L	W		
NRBRD-18-6-P50	18-22	6	0.858 (21.8)	0.315 (8.0)	Die Set B	50
NRBRD-18-8-P50	18-22	8	0.858 (21.8)	0.315 (8.0)	Die Set B	50
NRBRD-18-10-P50	18-22	10	1.094 (27.8)	0.457 (11.6)	Die Set B	50
NRBRD-18-14-P50	18-22	1/4	1.094 (27.8)	0.457 (11.6)	Die Set B	50
NRBRD-18-516-P50	18-22	5/16	1.094 (27.8)	0.457 (11.6)	Die Set B	50
NRBRD-18-38-P50	18-22	3/8	1.240 (31.5)	0.535 (13.6)	Die Set B	50
NRBRD-14-6-P50	14-16	6	0.898 (22.8)	0.335 (8.5)	Die Set B	50
NRBRD-14-8-P50	14-16	8	0.898 (22.8)	0.335 (8.5)	Die Set B	50
NRBRD-14-10-P50	14-16	10	0.898 (22.8)	0.335 (8.5)	Die Set B	50
NRBRD-14-14-P50	14-16	1/4	1.094 (27.8)	0.472 (12.0)	Die Set B	50
NRBRD-14-516-P50	14-16	5/16	1.094 (27.8)	0.472 (12.0)	Die Set B	50
NRBRD-14-38-P50	14-16	3/8	1.240 (31.5)	0.535 (13.6)	Die Set B	50
NRBRD-14-12-P50	14-16	1/2	1.433 (36.4)	0.756 (19.2)	Die Set B	50
NRBRD-10-6-P25	10-12	6	0.894 (22.7)	0.283 (7.2)	Die Set B	25
NRBRD-10-8-P25	10-12	8	1.024 (26.0)	0.374 (9.5)	Die Set B	25
NRBRD-10-10-P25	10-12	10	1.024 (26.0)	0.374 (9.5)	Die Set B	25
NRBRD-10-14-P25	10-12	1/4	1.161 (29.5)	0.472 (12.0)	Die Set B	25
NRBRD-10-516-P25	10-12	5/16	1.339 (34.0)	0.591 (15.0)	Die Set B	25
NRBRD-10-38-P25	10-12	3/8	1.339 (34.0)	0.591 (15.0)	Die Set B	25
NRBRD-10-12-P20	10-12	1/2	1.520 (38.6)	0.756 (19.2)	Die Set B	20

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

Ring Terminals
Multi Stud

RoHS Compliant

c UL us LISTED 20U0

TYPE
ILSCONS
A1

Features
- Ring tongue
- Multi-stud shape permits use with #6, #8, or #10 mounting screw
- Barrel allows for two crimps - NRBRD
- Funnel wire entry
- Vinyl insulation
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105˚ C

Benefits
- Secure termination that cannot be removed unless the mounting screw is removed
- Versatile with multiple mounting screw sizes
- Provides strain relief, prevents exposure of wire conductors
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor

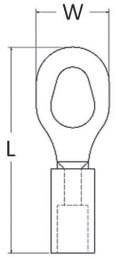


Fig. 1

Fig. 2

Fig. 3

Catalog Number	Fig. No.	Wire Range	Stud Size	Dimensions - in. (mm) L	Dimensions - in. (mm) W	Installation Tool ILST-22K	Package Quantity
BRBR- Non-Insulated							
BRBR-18-6MS-P50	1	18-22	#6-10	0.786 (19.96)	0.339 (8.61)	Die Set D1322	50
BRBR-14-6MS-P50	1	14-16	#6-10	0.786 (19.96)	0.339 (8.61)	Die Set D1322	50
BRBR-10-6MS-P50	1	10-12	#6-10	0.886 (22.50)	0.390 (9.91)	Die Set D1322	50
VRBR- Vinyl-Insulated							
VRBR-18-6MS-P50	2	18-22	#6-10	0.957 (24.31)	0.339 (8.61)	Die Set A	50
VRBR-14-6MS-P50	2	14-16	#6-10	0.957 (24.31)	0.339 (8.61)	Die Set A	50
VRBR-10-6MS-P25	2	10-12	#6-10	1.154 (29.31)	0.390 (9.91)	Die Set A	25
NRBR- Nylon-Insulated							
NRBR-18-6MS-P50	2	18-22	#6-10	0.996 (25.30)	0.339 (8.61)	Die Set A	50
NRBR-14-6MS-P50	2	14-16	#6-10	0.996 (25.30)	0.339 (8.61)	Die Set A	50
NRBR-10-6MS-P25	2	10-12	#6-10	1.154 (29.31)	0.390 (9.91)	Die Set A	25
NRBRD- Nylon-Insulated-Double Crimp							
NRBRD-18-6MS-P50	3	18-22	#6-10	0.996 (25.30)	0.339 (8.61)	Die Set B	50
NRBRD-14-6MS-P50	3	14-16	#6-10	0.996 (25.30)	0.339 (8.61)	Die Set B	50
NRBRD-10-6MS-P25	3	10-12	#6-10	1.154 (29.31)	0.390 (9.91)	Die Set B	25

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

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Spade Terminals
Standard; Non-Insulated

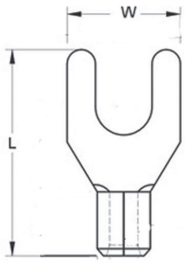
RoHS Compliant

c UL us LISTED 20U0

TYPE
ILSCONS

Features
- Spade configuration
- Funnel wire entry
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed

Benefits
- Same benefit as the fork configuration, but with the added benefit of sides that are able to lie flat against barrier portion of terminal blocks
- Smooth wire insertion into barrel
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



Catalog Number	Wire Range	Stud Size	Dimensions - in. (mm)		Installation Tool ILST-22K	Package Quantity
			L	W		
BSBR-18-4-P50	18-22	4	0.630 (16.0)	0.224 (5.7)	Die Set D1322	50
BSBR-18-6-P50	18-22	6	0.630 (16.0)	0.283 (7.2)	Die Set D1322	50
BSBR-18-8-P50	18-22	8	0.630 (16.0)	0.319 (8.1)	Die Set D1322	50
BSBR-18-10-P50	18-22	10	0.630 (16.0)	0.374 (9.5)	Die Set D1322	50
BSBR-14-6-P50	14-16	6	0.630 (16.0)	0.283 (7.2)	Die Set D1322	50
BSBR-14-8-P50	14-16	8	0.630 (16.0)	0.319 (8.1)	Die Set D1322	50
BSBR-14-10-P50	14-16	10	0.630 (16.0)	0.366 (9.3)	Die Set D1322	50
BSBR-14-14-P50	14-16	1/4	0.630 (16.0)	0.366 (9.3)	Die Set D1322	50
BSBR-10-6-P50	10-12	6	0.728 (18.5)	0.327 (8.3)	Die Set D1322	50
BSBR-10-8-P50	10-12	8	0.720 (18.3)	0.327 (8.3)	Die Set D1322	50
BSBR-10-10-P50	10-12	10	0.720 (18.3)	0.354 (9.0)	Die Set D1322	50
BSBR-10-14-P50	10-12	1/4	0.965 (24.5)	0.472 (12.0)	Die Set D1322	50
BSBR-10-516-P50	10-12	5/16	0.925 (23.5)	0.551 (14.0)	Die Set D1322	50

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

Spade Terminals
Standard; Vinyl Insulated

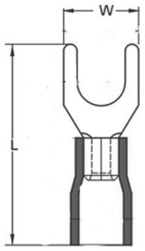
RoHS Compliant

c UL us LISTED 20U0

TYPE
ILSCONS
A1

Features
- Spade configuration
- Funnel wire entry
- Vinyl insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 75° C

Benefits
- Same benefit as fork configuration, but with the added benefit of sides that are able to lie flat against barrier portion of terminal blocks
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



Catalog Number	Wire Range	Stud Size	Dimensions - in. (mm) L	Dimensions - in. (mm) W	Installation Tool ILST-22K	Package Quantity
VSBR-18-4-P50	18-22	4	0.827 (21.0)	0.224 (5.7)	Die Set A	50
VSBR-18-6-P50	18-22	6	0.827 (21.0)	0.283 (7.2)	Die Set A	50
VSBR-18-8-P50	18-22	8	0.827 (21.0)	0.319 (8.1)	Die Set A	50
VSBR-18-10-P50	18-22	10	0.827 (21.0)	0.374 (9.5)	Die Set A	50
VSBR-18-14-P50	18-22	1/4	1.063 (27.0)	0.472 (12.0)	Die Set A	50
VSBR-14-6-P50	14-16	6	0.827 (21.0)	0.283 (7.2)	Die Set A	50
VSBR-14-8-P50	14-16	8	0.827 (21.0)	0.311 (7.9)	Die Set A	50
VSBR-14-10-P50	14-16	10	0.827 (21.0)	0.366 (9.3)	Die Set A	50
VSBR-14-14-P50	14-16	1/4	1.063 (27.0)	0.472 (12.0)	Die Set A	50
VSBR-10-6-P25	10-12	6	1.004 (25.5)	0.327 (8.3)	Die Set A	25
VSBR-10-8-P25	10-12	8	1.004 (25.5)	0.327 (8.3)	Die Set A	25
VSBR-10-10-P25	10-12	10	1.004 (25.5)	0.354 (9.0)	Die Set A	25
VSBR-10-14-P25	10-12	1/4	1.240 (31.5)	0.472 (12.0)	Die Set A	25
VSBR-10-516-P25	10-12	5	1.201 (30.5)	0.551 (14.0)	Die Set A	25

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

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Spade Terminals
Standard; Nylon Insulated

RoHS Compliant

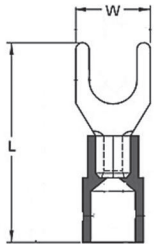
c UL us LISTED 20U0

TYPE
ILSCONS

A1

Features
- Spade configuration
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105˚ C

Benefits
- Same benefit as the fork configuration, but with the added benefit of sides that are able to lie flat against barrier portion of terminal blocks
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



Catalog Number	Wire Range	Stud Size	Dimensions - in. (mm)		Installation Tool ILST-22K	Package Quantity
			L	W		
NSBR-18-6-P50	18-22	6	0.866 (22.0)	0.283 (7.2)	Die Set A	50
NSBR-18-8-P50	18-22	8	0.866 (22.0)	0.319 (8.1)	Die Set A	50
NSBR-18-10-P50	18-22	10	0.866 (22.0)	0.374 (9.5)	Die Set A	50
NSBR-18-14-P50	18-22	1/4	1.102 (28.0)	0.472 (12.0)	Die Set A	50
NSBR-14-6-P50	14-16	6	0.866 (22.0)	0.283 (7.2)	Die Set A	50
NSBR-14-8-P50	14-16	8	0.866 (22.0)	0.311 (7.9)	Die Set A	50
NSBR-14-10-P50	14-16	10	0.866 (22.0)	0.366 (9.3)	Die Set A	50
NSBR-14-14-P50	14-16	1/4	1.102 (28.0)	0.472 (12.0)	Die Set A	50
NSBR-10-6-P25	10-12	6	1.004 (25.5)	0.327 (8.3)	Die Set A	25
NSBR-10-8-P25	10-12	8	1.004 (25.5)	0.327 (8.3)	Die Set A	25
NSBR-10-10-P25	10-12	10	1.004 (25.5)	0.354 (9.0)	Die Set A	25
NSBR-10-14-P25	10-12	1/4	1.240 (31.5)	0.472 (12.0)	Die Set A	25
NSBR-10-516-P25	10-12	1/3	1.201 (30.5)	0.551 (14.0)	Die Set A	25

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

Spade Terminals
Nylon Insulated Heavy Duty Double Crimp

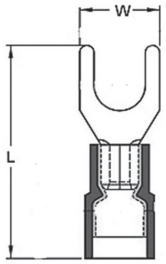
RoHS Compliant

c UL us LISTED 20U0

TYPE
ILSCONS
A1

Features
- Spade configuration
- Barrel allows for two crimps
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105˚ C

Benefits
- Same benefit as the fork configuration, but with the added benefit of sides that are able to lie flat against barrier portion of terminal blocks
- Provides strain relief, prevents exposure of wire conductors
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



Catalog Number	Wire Range	Stud Size	Dimensions - in. (mm)		Installation Tool ILST-22K	Package Quantity
			L	W		
NSBRD-18-6-P50	18-22	6	0.866 (22.0)	0.283 (7.2)	Die Set B	50
NSBRD-18-8-P50	18-22	8	0.866 (22.0)	0.319 (8.1)	Die Set B	50
NSBRD-18-10-P50	18-22	10	0.866 (22.0)	0.374 (9.5)	Die Set B	50
NSBRD-14-6-P50	14-16	6	0.866 (22.0)	0.283 (7.2)	Die Set B	50
NSBRD-14-8-P50	14-16	8	0.866 (22.0)	0.311 (7.9)	Die Set B	50
NSBRD-14-10-P50	14-16	10	0.866 (22.0)	0.366 (9.3)	Die Set B	50
NSBRD-14-14-P50	14-16	1/4	1.102 (28.0)	0.472 (12.0)	Die Set B	50
NSBRD-10-6-P25	10-12	6	1.004 (25.5)	0.327 (8.3)	Die Set B	25
NSBRD-10-8-P25	10-12	8	1.004 (25.5)	0.327 (8.3)	Die Set B	25
NSBRD-10-10-P25	10-12	10	1.004 (25.5)	0.354 (9.0)	Die Set B	25
NSBRD-10-14-P25	10-12	1/4	1.240 (31.5)	0.472 (12.0)	Die Set B	25
NSBRD-10-516-P25	10-12	5/16	1.201 (30.5)	0.551 (14.0)	Die Set B	25

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Locking Spade Terminals
Standard; Non-Insulated

RoHS Compliant

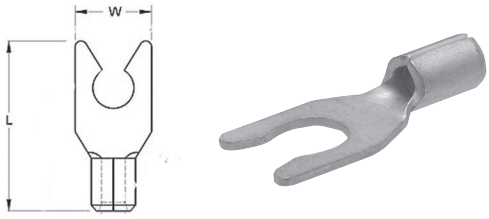
c UL us LISTED 20U0

TYPE
ILSCONS

Features
- Locking spade configuration
- Funnel wire entry
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed

Benefits
- Specially designed tongue that allows the ILSCON to go on like a fork, and stay on like a ring
- Smooth wire insertion into barrel
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor

A1



Catalog Number	Wire Range	Stud Size	Dimensions - in. (mm)		Installation Tool ILST-22K	Package Quantity
			L	W		
BSLBR-18-6-P50	18-22	6	0.630 (16.0)	0.252 (6.4)	Die Set D1322	50
BSLBR-18-8-P50	18-22	8	0.630 (16.0)	0.319 (8.1)	Die Set D1322	50
BSLBR-18-10-P50	18-22	10	0.630 (16.0)	0.374 (9.5)	Die Set D1322	50
BSLBR-14-6-P50	14-16	6	0.630 (16.0)	0.236 (6.0)	Die Set D1322	50
BSLBR-14-8-P50	14-16	8	0.630 (16.0)	0.319 (8.1)	Die Set D1322	50
BSLBR-14-10-P50	14-16	10	0.630 (16.0)	0.366 (9.3)	Die Set D1322	50
BSLBR-10-6-P50	10-12	6	0.720 (18.3)	0.307 (7.8)	Die Set D1322	50
BSLBR-10-8-P50	10-12	8	0.717 (18.2)	0.327 (8.3)	Die Set D1322	50
BSLBR-10-10-P50	10-12	10	0.717 (18.2)	0.354 (9.0)	Die Set D1322	50
BSLBR-10-14-P50	10-12	1/4	0.965 (24.5)	0.472 (12.0)	Die Set D1322	50

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

Locking Spade Terminals
Standard; Nylon Insulated

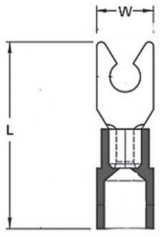
RoHS Compliant

c UL us LISTED 20U0

TYPE
ILSCONS
A1

Features
- Locking spade configuration
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105˚ C

Benefits
- Specially designed tongue that allows the ILSCON to go on like a fork, and stay on like a ring
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



Catalog Number	Wire Range	Stud Size	Dimensions - in. (mm)		Installation Tool ILST-22K	Package Quantity
			L	W		
NSLBR-18-6-P50	18-22	6	0.866 (22.0)	0.252 (6.4)	Die Set A	50
NSLBR-18-8-P50	18-22	8	0.866 (22.0)	0.319 (8.1)	Die Set A	50
NSLBR-18-10-P50	18-22	10	0.866 (22.0)	0.374 (9.5)	Die Set A	50
NSLBR-14-6-P50	14-16	6	0.866 (22.0)	0.236 (6.0)	Die Set A	50
NSLBR-14-8-P50	14-16	8	0.866 (22.0)	0.319 (8.1)	Die Set A	50
NSLBR-14-10-P50	14-16	10	0.866 (22.0)	0.366 (9.3)	Die Set A	50
NSLBR-10-6-P25	10-12	6	0.992 (25.2)	0.327 (8.3)	Die Set A	25
NSLBR-10-8-P25	10-12	8	0.992 (25.2)	0.327 (8.3)	Die Set A	25
NSLBR-10-10-P25	10-12	10	0.992 (25.2)	0.354 (9.0)	Die Set A	25
NSLBR-10-14-P25	10-12	1/4	1.240 (31.5)	0.472 (12.0)	Die Set A	25

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

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Locking Spade Terminals
Standard; Vinyl Insulated

RoHS Compliant

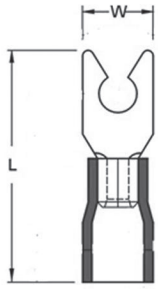
c UL us LISTED 20U0

TYPE
ILSCONS

A1

Features
- Locking spade configuration
- Funnel wire entry
- Vinyl insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 75° C

Benefits
- Specially designed tongue that allows the ILSCON to go on like a fork, and stay on like a ring
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



Catalog Number	Wire Range	Stud Size	Dimensions - in. (mm)		Installation Tool ILST-22K	Package Quantity
			L	W		
VSLBR-18-6-P50	18-22	6	0.827 (21.0)	0.252 (6.4)	Die Set A	50
VSLBR-14-6-P50	14-16	6	0.827 (21.0)	0.236 (6.0)	Die Set A	50
VSLBR-14-10-P50	14-16	10	0.827 (21.0)	0.366 (9.3)	Die Set A	50
VSLBR-10-6-P25	10-12	6	0.992 (25.2)	0.327 (8.3)	Die Set A	25
VSLBR-10-8-P25	10-12	8	0.992 (25.2)	0.327 (8.3)	Die Set A	25
VSLBR-10-10-P25	10-12	10	0.992 (25.2)	0.354 (9.0)	Die Set A	25
VSLBR-10-14-P25	10-12	1/4	1.240 (31.5)	0.472 (12.0)	Die Set A	25

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

Locking Spade Terminals
Nylon Insulated Heavy Duty Double Crimp

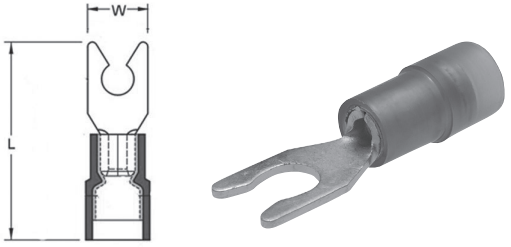
RoHS Compliant

c UL us LISTED 20U0

TYPE
ILSCONS
A1

Features
- Locking spade configuration
- Barrel allows for two crimps
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105˚ C

Benefits
- Specially designed tongue that allows the ILSCON to go on like a fork, and stay on like a ring
- Provides strain relief, prevents exposure of wire conductors
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



Catalog Number	Wire Range	Stud Size	Dimensions - in. (mm)		Installation Tool ILST-22K	Package Quantity
			L	W		
NSLBRD-18-6-P50	18-22	6	0.866 (22.0)	0.252 (6.4)	Die Set B	50
NSLBRD-18-8-P50	18-22	8	0.866 (22.0)	0.319 (8.1)	Die Set B	50
NSLBRD-18-10-P50	18-22	10	0.866 (22.0)	0.374 (9.5)	Die Set B	50
NSLBRD-14-6-P50	14-16	6	0.866 (22.0)	0.236 (6.0)	Die Set B	50
NSLBRD-14-8-P50	14-16	8	0.866 (22.0)	0.319 (8.1)	Die Set B	50
NSLBRD-14-10-P50	14-16	10	0.866 (22.0)	0.366 (9.3)	Die Set B	50
NSLBRD-10-6-P25	10-12	6	0.992 (25.2)	0.327 (8.3)	Die Set B	25
NSLBRD-10-8-P25	10-12	8	0.992 (25.2)	0.327 (8.3)	Die Set B	25
NSLBRD-10-10-P25	10-12	10	0.992 (25.2)	0.354 (9.0)	Die Set B	25
NSLBRD-10-14-P25	10-12	1/4	1.240 (31.5)	0.472 (12.0)	Die Set B	25

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

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Flanged Spade Terminals
Standard; Non-Insulated

RoHS Compliant

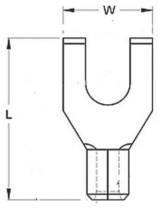
c UL us LISTED 20U0

TYPE
ILSCONS

A1

Features
- Spade configuration
- Flanged design
- Funnel wire entry
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed

Benefits
- Same benefit as the fork configuration, but with the added benefit of sides that are able to lie flat against barrier portion of terminal blocks
- Provides extra secure connection on a variety of applications
- Smooth wire insertion into barrel
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



Catalog Number	Wire Range	Stud Size	Dimensions - in. (mm)		Installation Tool ILST-22K	Package Quantity
			L	W		
BSFBR-18-6-P50	18-22	6	0.551 (14.0)	0.295 (7.5)	Die Set D1322	50
BSFBR-18-8-P50	18-22	8	0.768 (19.5)	0.335 (8.5)	Die Set D1322	50
BSFBR-18-10-P50	18-22	10	0.768 (19.5)	0.335 (8.5)	Die Set D1322	50
BSFBR-14-6-P50	14-16	6	0.709 (18.0)	0.295 (7.5)	Die Set D1322	50
BSFBR-14-8-P50	14-16	8	0.709 (18.0)	0.335 (8.5)	Die Set D1322	50
BSFBR-14-10-P50	14-16	10	0.709 (18.0)	0.335 (8.5)	Die Set D1322	50
BSFBR-10-6-P50	10-12	6	0.787 (20.0)	0.335 (8.5)	Die Set D1322	50
BSFBR-10-8-P50	10-12	8	0.787 (20.0)	0.335 (8.5)	Die Set D1322	50
BSFBR-10-10-P50	10-12	10	0.787 (20.0)	0.335 (8.5)	Die Set D1322	50

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

Flanged Spade Terminals
Standard; Nylon Insulated

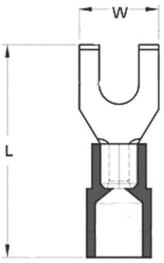
RoHS Compliant

c UL us LISTED 20U0

TYPE
ILSCONS
A1

Features
- Spade configuration
- Flanged design
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105˚ C

Benefits
- Same benefit as the fork configuration, but with the added benefit of sides that are able to lie flat against barrier portion of terminal blocks
- Provides extra secure connection on a variety of applications
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



Catalog Number	Wire Range	Stud Size	Dimensions - in. (mm)		Installation Tool ILST-22K	Package Quantity
			L	W		
NSFBR-18-6-P50	18-22	6	0.787 (20.0)	0.295 (7.5)	Die Set A	50
NSFBR-18-8-P50	18-22	8	1.004 (25.5)	0.335 (8.5)	Die Set A	50
NSFBR-18-10-P50	18-22	10	1.004 (25.5)	0.335 (8.5)	Die Set A	50
NSFBR-14-6-P50	14-16	6	0.807 (20.5)	0.295 (7.5)	Die Set A	50
NSFBR-14-8-P50	14-16	8	0.945 (24.0)	0.335 (8.5)	Die Set A	50
NSFBR-14-10-P50	14-16	10	0.945 (24.0)	0.335 (8.5)	Die Set A	50
NSFBR-10-6-P25	10-12	6	1.063 (27.0)	0.335 (8.5)	Die Set A	25
NSFBR-10-8-P25	10-12	8	1.063 (27.0)	0.335 (8.5)	Die Set A	25
NSFBR-10-10-P25	10-12	10	1.063 (27.0)	0.335 (8.5)	Die Set A	25

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

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Flanged Spade Terminals
Standard; Vinyl Insulated

RoHS Compliant

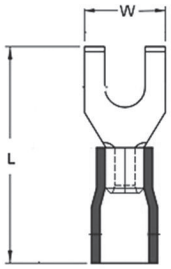
c UL us LISTED 20U0

TYPE
ILSCONS

A1

Features
- Spade configuration
- Flanged design
- Funnel wire entry
- Vinyl insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105° C

Benefits
- Same benefit as fork configuration, but with the added benefit of sides that are able to lie flat against the barrier portion of terminal blocks
- Provides extra secure connection on a variety of applications
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



Catalog Number	Wire Range	Stud Size	Dimensions - in. (mm)			Installation Tool ILST-22K	Package Quantity
			L	W	Maximum Wire Insulated Diameter		
VSFBR-18-6-P50	18-22	6	0.748 (19.0)	0.295 (7.5)	0.157 (4.0)	Die Set A	50
VSFBR-18-8-P50	18-22	8	0.748 (19.0)	0.295 (7.5)	0.157 (4.0)	Die Set A	50
VSFBR-18-10-P50	18-22	10	0.965 (24.5)	0.335 (8.5)	0.157 (4.0)	Die Set A	50
VSFBR-14-6-P50	14-16	6	0.748 (19.0)	0.295 (7.5)	0.177 (4.5)	Die Set A	50
VSFBR-14-8-P50	14-16	8	0.906 (23.0)	0.335 (8.5)	0.177 (4.5)	Die Set A	50
VSFBR-14-10-P50	14-16	10	0.906 (23.0)	0.335 (8.5)	0.177 (4.5)	Die Set A	50
VSFBR-10-6-P25	10-12	6	1.063 (27.0)	0.335 (8.5)	0.252 (6.4)	Die Set A	25
VSFBR-10-8-P25	10-12	8	1.063 (27.0)	0.335 (8.5)	0.252 (6.4)	Die Set A	25
VSFBR-10-10-P25	10-12	10	1.063 (27.0)	0.335 (8.5)	0.252 (6.4)	Die Set A	25

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

Flanged Spade Terminals
Nylon Insulated Heavy Duty Double Crimp

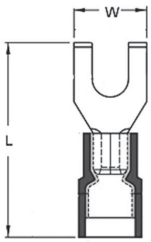
RoHS Compliant

c UL us LISTED 20U0

TYPE
ILSCONS
A1

Features
- Spade configuration
- Flanged design
- Barrel allows for two crimps
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105˚ C

Benefits
- Same benefit as the fork configuration, but with the added benefit of sides that are able to lie flat against barrier portion of terminal blocks
- Provides extra secure connection on a variety of applications
- Provides strain relief, prevents exposure of wire conductors
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



Catalog Number	Wire Range	Stud Size	Dimensions - in. (mm)		Installation Tool ILST-22K	Package Quantity
			L	W		
NSFBRD-18-6-P50	18-22	6	0.787 (20.0)	0.295 (7.5)	Die Set B	50
NSFBRD-18-8-P50	18-22	8	1.004 (25.5)	0.335 (8.5)	Die Set B	50
NSFBRD-18-10-P50	18-22	10	1.004 (25.5)	0.335 (8.5)	Die Set B	50
NSFBRD-14-6-P50	14-16	6	0.807 (20.5)	0.295 (7.5)	Die Set B	50
NSFBRD-14-8-P50	14-16	8	0.945 (24.0)	0.335 (8.5)	Die Set B	50
NSFBRD-14-10-P50	14-16	10	0.945 (24.0)	0.335 (8.5)	Die Set B	50
NSFBRD-10-6-P25	10-12	6	1.063 (27.0)	0.335 (8.5)	Die Set B	25
NSFBRD-10-8-P25	10-12	8	1.063 (27.0)	0.335 (8.5)	Die Set B	25
NSFBRD-10-10-P25	10-12	10	1.063 (27.0)	0.335 (8.5)	Die Set B	25

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

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Fork Terminals
Standard; Non-Insulated

RoHS Compliant

c UL us LISTED 20U0

TYPE
ILSCONS

A1

Features
- Fork configuration
- Funnel entry
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed

Benefits
- Allows easy installation since mounting screw needs only to be loosened
- Smooth wire insertion into barrel
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor

Catalog Number	Wire Range	Stud Size	Dimensions - in. (mm)		Installation Tool ILST-22K	Package Quantity
			L	W		
BFBR-18-6-P50	18-22	6	0.531 (13.5)	0.260 (6.6)	Die Set D1322	50
BFBR-18-8-P50	18-22	8	0.583 (14.8)	0.315 (8.0)	Die Set D1322	50
BFBR-18-10-P50	18-22	10	0.567 (14.4)	0.315 (8.0)	Die Set D1322	50
BFBR-18-14-P50	18-22	1/4	0.799 (20.3)	0.457 (11.6)	Die Set D1322	50
BFBR-14-6-P50	14-16	6	0.531 (13.5)	0.260 (6.6)	Die Set D1322	50
BFBR-14-8-P50	14-16	8	0.626 (15.9)	0.335 (8.5)	Die Set D1322	50
BFBR-14-10-P50	14-16	10	0.614 (15.6)	0.374 (9.5)	Die Set D1322	50
BFBR-14-14-P50	14-16	1/4	0.807 (20.5)	0.472 (12.0)	Die Set D1322	50
BFBR-10-8-P50	10-12	8	0.563 (14.3)	0.283 (7.2)	Die Set D1322	50
BFBR-10-10-P50	10-12	10	0.732 (18.6)	0.374 (9.5)	Die Set D1322	50
BFBR-10-14-P50	10-12	1/4	0.835 (21.2)	0.472 (12.0)	Die Set D1322	50

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

Fork Terminals
Standard; Nylon Insulated

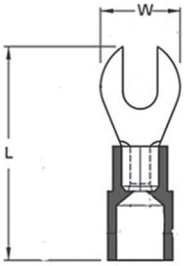
RoHS Compliant

c UL us LISTED 20U0

TYPE
ILSCONS
A1

Features
- Fork configuration
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105˚ C

Benefits
- Allows easy installation since mounting screw needs only to be loosened
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



Catalog Number	Wire Range	Stud Size	Dimensions - in. (mm)			Installation Tool ILST-22K	Package Quantity
			L	W	Maximum Wire Insulated Diameter		
NFBR-18-14-P50	18-22	1/4	1.035 (26.3)	0.457 (11.6)	0.157 (4.0)	Die Set A	50
NFBR-14-6-P50	14-16	6	0.768 (19.5)	0.260 (6.6)	0.177 (4.5)	Die Set A	50
NFBR-14-14-P50	14-16	1/4	1.043 (26.5)	0.472 (12.0)	0.177 (4.5)	Die Set A	50
NFBR-10-14-P25	10-12	1/4	1.110 (28.2)	0.472 (12.0)	0.252 (6.4)	Die Set A	25

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

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Fork Terminals
Standard; Vinyl Insulated

RoHS Compliant

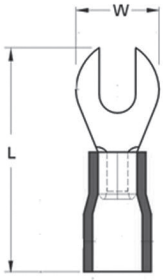
c UL us LISTED 20U0

TYPE
ILSCONS

A1

Features
- Fork configuration
- Funnel wire entry
- Vinyl insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105˚ C

Benefits
- Allows easy installation since mounting screw needs only to be loosened
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



Catalog Number	Wire Range	Stud Size	Dimensions - in. (mm)		Installation Tool ILST-22K	Package Quantity
			L	W		
VFBR-18-14-P50	18-22	1/4	0.996 (25.3)	0.457 (11.6)	Die Set A	50
VFBR-14-14-P50	14-16	1/4	1.004 (25.5)	0.472 (12.0)	Die Set A	50
VFBR-10-14-P25	10-12	1/4	1.110 (28.2)	0.472 (12.0)	Die Set A	25

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

Fork Terminals

Nylon Insulated Heavy Duty Double Crimp

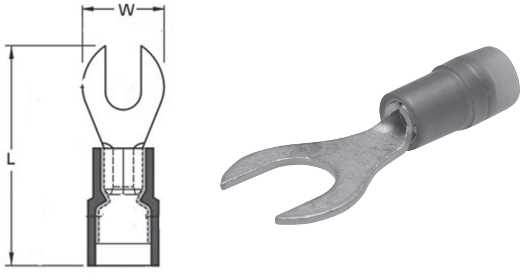
RoHS Compliant

c UL us LISTED 20U0

TYPE
ILSCONS
A1

Features
- Fork tongue
- Barrel allows for two crimps
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105˚ C

Benefits
- Allows easy installation since mounting screw needs only to be loosened
- Provides strain relief, prevents exposure of wire conductors
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection that will not split open, prevents wire pull out
- Ensures reliability for copper conductor



Catalog Number	Wire Range	Stud Size	Dimensions - in. (mm)		Installation Tool ILST-22K	Package Quantity
			L	W		
NFBRD-18-6-P50	18-22	6	0.768 (19.5)	0.260 (6.6)	Die Set B	50
NFBRD-18-14-P50	18-22	1/4	1.035 (26.3)	0.457 (11.6)	Die Set B	50
NFBRD-14-8-P50	14-16	8	0.862v(21.9)	0.335 (8.5)	Die Set B	50
NFBRD-14-14-P50	14-16	1/4	1.047 (26.6)	0.472 (12.0)	Die Set B	50
NFBRD-10-8-P25	10-12	8	0.839 (21.3)	0.283 (7.2)	Die Set B	25
NFBRD-10-10-P25	10-12	10	1.008 (25.6)	0.374 (9.5)	Die Set B	25
NFBRD-10-14-P25	10-12	1/4	1.110 (28.2)	0.472 (12.0)	Die Set B	25

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

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Disconnect Terminals
Standard Female

RoHS Compliant

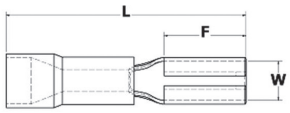
c UL us LISTED 19X5

TYPE
ILSCONS

A1

Features
- Female disconnect configuration
- Barrel allows for two crimps - NDFTD
- Funnel wire entry
- Vinyl insulation - VDFT
- Nylon insulation - NDFT, NDFTD
- Color coded
- Manufactured from high strength brass alloy
- Electro-tin plated
- UL Listed

Benefits
- Allows for fast, reliable, convenient connection to male tab without the use of tools
- Provides strain relief, prevents exposure of wire conductors
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Ensures reliability for brass conductor



Catalog Number	Wire Range	Voltage Rating	Temp Rating	Dimensions - in. (mm) L	W	F	Tab Size	Installation Tool ILST-22K	Package Quantity
VDFT- Vinyl Insulated- Female									
VDFT-18-110-P50	18-22	300 V	75˚ C	0.732 (18.59)	0.126 (3.20)	0.256 (6.50)	.110 x .020	Die Set C	50
VDFT-18-187-P50	18-22	300 V	75˚ C	0.748 (19.00)	0.197 (5.00)	0.252 (6.40)	.187 x .020	Die Set C	50
VDFT-18-250-P50	18-22	300 V	75˚ C	0.807 (20.50)	0.260 (6.60)	0.295 (7.49)	.250 x .032	Die Set C	50
VDFT-14-110-P50	14-16	300 V	75˚ C	0.732 (18.59)	0.126 (3.20)	0.256 (6.50)	.110 x .020	Die Set C	50
VDFT-14-187-P50	14-16	300 V	75˚ C	0.748 (19.00)	0.197 (5.00)	0.252 (6.40)	.187 x .020	Die Set C	50
VDFT-14-250-P50	14-16	300 V	75˚ C	0.807 (20.50)	0.260 (6.60)	0.295 (7.49)	.250 x .032	Die Set C	50
VDFT-10-250-P25	10-12	300 V	75˚ C	0.925 (23.50)	0.260 (6.60)	0.295 (7.49)	.250 x .032	Die Set C	25
NDFT- Nylon-Insulated- Female									
NDFT-18-110-P50	18-22	300 V	105˚ C	0.772 (19.61)	0.126 (3.20)	0.256 (6.50)	.110 x .020	Die Set C	50
NDFT-18-187-P50	18-22	300 V	105˚ C	0.787 (19.99)	0.197 (5.00)	0.252 (6.40)	.187 x .020	Die Set C	50
NDFT-18-250-P50	18-22	300 V	105˚ C	0.846 (21.49)	0.260 (6.60)	0.295 (7.49)	.250 x .032	Die Set C	50
NDFT-14-110-P50	14-16	300 V	105˚ C	0.772 (19.61)	0.126 (3.20)	0.256 (6.50)	.110 x .020	Die Set C	50
NDFT-14-187-P50	14-16	300 V	105˚ C	0.787 (19.99)	0.197 (5.00)	0.252 (6.40)	.187 x .020	Die Set C	50
NDFT-14-250-P50	14-16	300 V	105˚ C	0.846 (21.49)	0.260 (6.60)	0.295 (7.49)	.250 x .032	Die Set C	50
NDFT-10-250-P25	10-12	300 V	105˚ C	0.925 (23.50)	0.260 (6.60)	0.295 (7.49)	.250 x .032	Die Set C	25
NDFTD- Nylon-Insulated- Female- Double Crimp									
NDFTD-18-110-P50	18-22	600 V	105˚ C	0.772 (19.61)	0.126 (3.20)	0.256 (6.50)	.110 x .020	Die Set B	50
NDFTD-18-187-P50	18-22	600 V	105˚ C	0.787 (19.99)	0.197 (5.00)	0.252 (6.40)	.187 x .020	Die Set B	50
NDFTD-18-250-P50	18-22	600 V	105˚ C	0.846 (21.49)	0.260 (6.60)	0.295 (7.49)	.250 x .032	Die Set B	50
NDFTD-14-110-P50	14-16	600 V	105˚ C	0.772 (19.61)	0.126 (3.20)	0.256 (6.50)	.110 x .020	Die Set B	50
NDFTD-14-187-P50	14-16	600 V	105˚ C	0.787 (19.99)	0.197 (5.00)	0.252 (6.40)	.187 x .020	Die Set B	50
NDFTD-14-250-P50	14-16	600 V	105˚ C	0.846 (21.49)	0.260 (6.60)	0.295 (7.49)	.250 x .032	Die Set B	50
NDFTD-10-187-P25	10-12	600 V	105˚ C	0.866 (22.00)	0.197 (5.00)	0.256 (6.50)	.187 x .020	Die Set B	25
NDFTD-10-250-P25	10-12	600 V	105˚ C	0.925 (23.50)	0.260 (6.60)	0.295 (7.49)	.250 x .032	Die Set B	25

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 310, UL File E474613

Disconnect Terminals
Standard Male

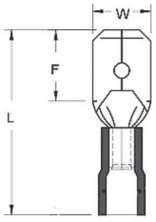
RoHS Compliant

c UL us LISTED 19X5

TYPE
ILSCONS
A1

Features
- Male disconnect configuration
- Barrel allows for two crimps - NDMTD
- Funnel wire entry
- Vinyl insulation - VDMT
- Nylon insulation - NDMT, NDMTD
- Color coded
- Manufactured from high strength brass alloy
- Electro-tin plated
- UL Listed

Benefits
- Mates with matching female tab sizes to ensure a firm grip
- Provides strain relief, prevents exposure of wire conductors
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Ensures reliability for brass conductor



Catalog Number	Wire Range	Voltage Rating	Temp Rating	Dimensions - in. (mm) L	W	F	Tab Size	Installation Tool ILST-22K	Package Quantity
VDMT- Vinyl-Insulated- Male									
VDMT-18-110-P50	18-22	300 V	75˚ C	0.728 (18.49)	0.110 (2.79)	0.256 (6.50)	.110 x .020	Die Set C	50
VDMT-18-187-P50	18-22	300 V	75˚ C	0.748 (19.00)	0.189 (4.80)	0.256 (6.50)	.187 x .020	Die Set C	50
VDMT-18-250-P50	18-22	300 V	75˚ C	0.827 (21.01)	0.250 (6.35)	0.303 (7.70)	.250 x .032	Die Set C	50
VDMT-14-187-P50	14-16	300 V	75˚ C	0.748 (19.00)	0.189 (4.80)	0.256 (6.50)	.187 x .020	Die Set C	50
VDMT-14-250-P50	14-16	300 V	75˚ C	0.827 (21.01)	0.250 (6.35)	0.303 (7.70)	.250 x .032	Die Set C	50
VDMT-10-250-P25	10-12	300 V	75˚ C	0.945 (24.00)	0.250 (6.35)	0.303 (7.70)	.250 x .032	Die Set C	25
NDMT- Nylon- Insulated- Male									
NDMT-18-110-P50	18-22	300 V	105˚ C	0.768 (19.51)	0.110 (2.79)	0.256 (6.50)	.110 x .020	Die Set C	50
NDMT-18-187-P50	18-22	300 V	105˚ C	0.787 (19.99)	0.189 (4.80)	0.256 (6.50)	.187 x .020	Die Set C	50
NDMT-18-250-P50	18-22	300 V	105˚ C	0.866 (22.00)	0.250 (6.35)	0.303 (7.70)	.250 x .032	Die Set C	50
NDMT-14-187-P50	14-16	300 V	105˚ C	0.787 (19.99)	0.189 (4.80)	0.256 (6.50)	.187 x .020	Die Set C	50
NDMT-14-250-P50	14-16	300 V	105˚ C	0.866 (22.00)	0.250 (6.35)	0.303 (7.70)	.250 x .032	Die Set C	50
NDMT-10-250-P25	10-12	300 V	105˚ C	0.945 (24.00)	0.250 (6.35)	0.303 (7.70)	.250 x .032	Die Set C	25
NDMTD- Nylon-Insulated- Male- Double Crimp									
NDMTD-18-110-P50	18-22	600 V	105˚ C	0.768 (19.51)	0.110 (2.79)	0.256 (6.50)	.110 x .020	Die Set B	50
NDMTD-18-187-P50	18-22	600 V	105˚ C	0.787 (19.99)	0.189 (4.80)	0.256 (6.50)	.187 x .020	Die Set B	50
NDMTD-18-250-P50	18-22	600 V	105˚ C	0.866 (22.00)	0.250 (6.35)	0.303 (7.70)	.250 x .032	Die Set B	50
NDMTD-14-187-P50	14-16	600 V	105˚ C	0.787 (19.99)	0.189 (4.80)	0.256 (6.50)	.187 x .020	Die Set B	50
NDMTD-14-250-P50	14-16	600 V	105˚ C	0.874 (22.20)	0.250 (6.35)	0.303 (7.70)	.250 x .032	Die Set B	50
NDMTD-10-250-P25	10-12	600 V	105˚ C	0.945 (24.00)	0.250 (6.35)	0.303 (7.70)	.250 x .032	Die Set B	25

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 310, UL File E474613

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Disconnect Terminals
Fully Insulated

RoHS Compliant

c UL us LISTED 19X5

TYPE
ILSCONS

A1

Features
- Female and male disconnect configurations
- Industry standard sizes
- Fully insulated
- Funnel wire entry
- Vinyl insulation - VFIDT
- Nylon insulation - NFIFT, NFIMT
- Color coded
- Manufactured from high strength brass alloy
- Electro-tin plated
- UL Listed, see ratings in chart below

Benefits
- Allows for reliable, easy and quick connection/disconnection
- Mates with matching tab sizes to ensure a firm grip
- Provides protection from electrical shorts and eliminates the need for post installation insulation
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Ensures reliability for brass conductor

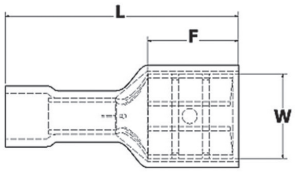


Fig. 1

Fig. 2

Catalog Number	Fig. No.	Wire Range	Voltage Rating	Temp Rating	Dimensions - in. (mm) L	W	F	Tab Size	Installation Tool ILST-22K	Package Quantity
VFIDT - Vinyl Insulation - Female										
VFIDT-18-187-P50	1	18-22	300 V	75˚ C	0.768 (19.51)	0.197 (5.00)	0.252 (6.40)	.187 x .020	Die Set C	50
VFIDT-10-250-P25	1	10-12	300 V	75˚ C	0.957 (24.31)	0.260 (6.60)	0.295 (7.49)	.250 x .032	Die Set C	50
NFIFT-Nylon Insulation - Female										
NFIFT-18-250-P50	1	18-22	300 V	105˚ C	0.886 (22.50)	0.260 (6.60)	0.295 (7.49)	.250 x .032	Die Set C	50
NFIFT-14-250-P50	1	14-16	300 V	105˚ C	0.866 (22.00)	0.260 (6.60)	0.295 (7.49)	.250 x .032	Die Set C	50
NFIFT-10-250-P25	1	10-12	300 V	105˚ C	0.945 (24.00)	0.260 (6.60)	0.295 (7.49)	.250 x .032	Die Set C	25
NFIMT-Nylon Insulation - Male										
NFIMT-18-250-P25	2	18-22	300 V	105˚ C	0.945 (21.46)	0.250 (6.35)	0.303 (7.70)	.250 x .032	Die Set C	50
NFIMT-14-250-P25	2	14-16	300 V	105˚ C	0.945 (24.00)	0.250 (6.35)	0.303 (7.70)	.250 x .032	Die Set C	50
NFIMT-10-250-P25	2	10-12	300 V	105˚ C	0.984 (24.99)	0.250 (6.35)	0.303 (7.70)	.250 x .032	Die Set C	25
NDFTD-10-250-P25		10-12	600 V	105˚ C	0.925 (23.50)	0.260 (6.60)	0.295 (7.49)	.250 x .032	Die Set B	25

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 310, UL File E474613

Disconnect Terminals
Fully Insulated, Flag

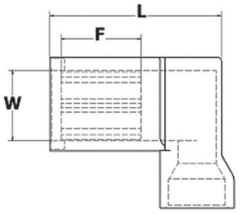
RoHS Compliant

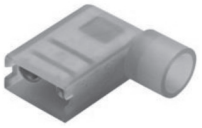
c UL us LISTED 19X5

TYPE
ILSCONS
A1

Features
- Configuration of a right angle female disconnect
- Barrel allow for two crimps
- Funnel wire entry
- Nylon insulation
- Color coded
- Manufactured from high strength brass alloy
- Electro-tin plated
- Brazed barrel
- UL Listed for 600 volts, 105˚ C

Benefits
- Allows for multiple configurations where space is limited or when a conductor is square to the connector
- Stronger crimp connection that will not split open, prevents wire pull out
- Smooth wire insertion into barrel
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Provides strain relief, prevents exposure of wire conductors
- Ensures reliability for copper conductor





Catalog Number	Wire Range	Dimensions - in. (mm)			Installation Tool ILST-22K	Package Quantity
		L	W	F		
NFLB- Nylon-Insulated						
NFLB-18-250-P25	18-22	0.598 (15.19)	0.260 (6.60)	0.299 (7.59)	Die Set FA	25
NFLB-14-250-P25	14-16	0.598 (15.19)	0.260 (6.60)	0.299 (7.59)	Die Set FA	25
NFLB-10-250-P25	10-12	0.650 (16.51)	0.260 (6.60)	0.299 (7.59)	Die Set FA	25
NFLBD- Nylon-Insulated- Double Crimp						
NFLBD-18-187-P25	18-22	0.748 (19.00)	0.197 (5.00)	0.244 (6.20)	Die Set B	25
NFLBD-18-250-P25	18-22	0.819 (20.80)	0.260 (6.60)	0.295 (7.49)	Die Set B	25
NFLBD-14-187-P25	14-16	0.748 (19.00)	0.197 (5.00)	0.244 (6.20)	Die Set B	25
NFLBD-14-250-P25	14-16	0.819 (20.80)	0.260 (6.60)	0.295 (7.49)	Die Set B	25
NFLBD-10-250-P20	10-12	0.906 (23.01)	0.260 (6.60)	0.295 (7.49)	-	

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 310, UL File E474613

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Disconnect Terminals
Bullet

RoHS Compliant

cULus

A1

TYPE
ILSCONS

Features
- Bullet configurations in standard sizes
- Barrel allows for two crimps - NBFTD, NBMTD
- Funnel wire entry
- Vinyl insulation - VBFT, VBMT, VFIBT
- Nylon insulation - NBFT, NBFTD, NBMT, NBMTD, NFIDT
- Color coded
- Manufactured from high strength brass alloy
- Electro-tin plated
- UL Recognized

Benefits
- Reliable, convenient in-line connection
- Provides strain relief of wire, prevents exposure of wire conductors
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Increased heat and chemical resistant qualities for more
- demanding applications
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Ensures reliability for brass conductor

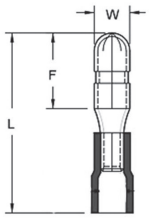

Fig. 1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6

Catalog Number	Fig. No.	Wire Range	Voltage Rating	Temp Rating	Dimensions - in. (mm) L	W	F	Commonly Mates With	Installation Tool ILST-22K	Pkg. Qty.
VBFT- Vinyl-Insulated- Female										
VBFT-18-156-P50	1	18-22	300 V	50˚ C	0.846 (21.49)	0.154 (3.91)	0.276 (7.01)	VBMT-18-156-P50	Die Set C	50
VBFT-14-156-P50	1	14-16	300 V	50˚ C	0.846 (21.49)	0.154 (3.91)	0.276 (7.01)	VBMT-14-156-P50	Die Set C	50
VBFT-10-195-P25	1	10-12	300 V	50˚ C	0.965 (24.51)	0.193 (4.90)	0.276 (7.01)	VBMT-10-195-P25	Die Set C	25
NBFT- Nylon-Insulated- Female										
NBFT-18-156-P50	1	18-22	600 V	85˚ C	0.886 (22.50)	0.154 (3.91)	0.276 (7.01)	NBMT-18-156-P50	Die Set C	50
NBFT-14-156-P50	1	14-16	600 V	85˚ C	0.886 (22.50)	0.154 (3.91)	0.276 (7.01)	NBMT-14-156-P50	Die Set C	50
NBFT-10-195-P25	1	10-12	600 V	85˚ C	0.965 (24.51)	0.193 (4.90)	0.276 (7.01)	NBMT-10-195-P25	Die Set C	25
NBFTD- Nylon-Insulated- Female- Double Crimp										
NBFTD-18-156-P50	2	18-22	300 V	85˚ C	0.886 (22.50)	0.154 (3.91)	0.276 (7.01)	NBMTD-18-156-P50	Die Set B	50
NBFTD-14-156-P50	2	14-16	300 V	85˚ C	0.886 (22.50)	0.154 (3.91)	0.276 (7.01)	NBMTD-14-156-P50	Die Set B	50
NBFTD-10-195-P25	2	10-12	300 V	85˚ C	0.965 (24.51)	0.193 (4.90)	0.276 (7.01)	NBMTD-10-195-P25	Die Set B	25
VFIBT- Vinyl-Fully-Insulated-Female										
VFIBT-18-156-P50	3	18-22	300 V	50˚ C	0.906 (23.01)	0.154 (3.91)	0.276 (7.01)	NFIDT-18-156-P50	Die Set C	50
VFIBT-14-156-P50	3	14-16	300 V	50˚ C	0.925 (23.50)	0.154 (3.91)	0.276 (7.01)	NFIDT-14-156-P50	Die Set C	50
VFIBT-10-195-P25	3	10-12	300 V	50˚ C	0.945 (24.00)	0.193 (4.90)	0.276 (7.01)	N/A	Die Set C	25
VBMT- Vinyl-Insulated-Male										
VBMT-18-156-P50	4	18-22	300 V	50˚ C	0.827 (21.01)	0.157 (3.99)	0.335 (8.51)	VBFT-18-156-P50	Die Set C	50
VBMT-14-156-P50	4	14-16	300 V	50˚ C	0.827 (21.01)	0.157 (3.99)	0.335 (8.51)	VBFT-14-156-P50	Die Set C	50
VBMT-10-195-P25	4	10-12	300 V	50˚ C	0.925 (23.50)	0.197 (5.00)	0.335 (8.51)	VBFT-10-195-P25	Die Set C	25
NBMT- Nylon-Insulated-Male										
NBMT-18-156-P50	4	18-22	600 V	85˚ C	0.866 (22.00)	0.157 (3.99)	0.335 (8.51)	NBFT-18-156-P50	Die Set C	50
NBMT-14-156-P50	4	14-16	600 V	85˚ C	0.866 (22.00)	0.157 (3.99)	0.335 (8.51)	NBFT-14-156-P50	Die Set C	50
NBMT-10-195-P25	4	10-12	600 V	85˚ C	0.925 (23.50)	0.197 (5.00)	0.335 (8.51)	NBFT-10-195-P25	Die Set C	25
NBMTD- Nylon-Insulated-Male-Double Crimp										
NBMTD-18-156-P50	5	18-22	300 V	85˚ C	0.866 (22.00)	0.157 (3.99)	0.335 (8.51)	NBFTD-18-156-P50	Die Set B	50
NBMTD-14-156-P50	5	14-16	300 V	85˚ C	0.866 (22.00)	0.157 (3.99)	0.335 (8.51)	NBFTD-14-156-P50	Die Set B	50
NBMTD-10-195-P25	5	10-12	300 V	85˚ C	0.925 (23.50)	0.197 (5.00)	0.335 (8.51)	NBFTD-10-195-P25	Die Set B	25
NFIDT- Nylon-Fully-Insulated-Male										
NFIDT-18-156-P25	6	18-22	600 V	85˚ C	1.063 (27.00)	0.157 (3.99)	0.413 (10.49)	VFIBT-18-156-P50	Die Set C	25
NFIDT-14-156-P25	6	14-16	600 V	85˚ C	1.063 (27.00)	0.157 (3.99)	0.413 (10.49)	VFIBT-14-156-P50	Die Set C	25

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 1977, UL File E474615

Pin Terminals
Insulated

RoHS Compliant

c UL us LISTED 20U0

TYPE
ILSCONS
A1

Features
- Solid pin design
- Funnel wire entry
- Barrel allows for two crimps - NPBRD
- Vinyl insulation - VPBR
- Nylon insulation - NPBR, NPBRD
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Brazed barrel
- UL Listed, 600 volts, 105˚ C

Benefits
- Provides an easy and effective way to terminate stranded wire into European/metric-style terminal blocks
- Smooth wire insertion into barrel
- Provides strain relief, prevents exposure of wire conductors
- Provides corrosion resistance and strain relief
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Stronger crimp connection to prevent wire pull-out
- Ensures reliability for copper conductor

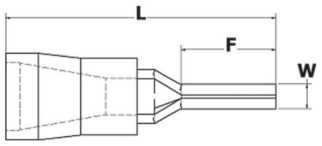

Fig. 1

Fig. 2

Catalog Number	Fig. No.	Wire Range	Dimensions - in. (mm) L	W	F	Installation Tool ILST-22K	Package Quantity
VPBR- Vinyl Insulated							
VPBR-18-512-P50	1	18-22	0.898 (22.81)	0.075 (1.91)	0.512 (13.00)	Die Set A	50
VPBR-14-512-P50	1	14-16	0.898 (22.81)	0.075 (1.91)	0.512 (13.00)	Die Set A	50
VPBR-10-551-P25	1	10-12	1.063 (27.00)	0.110 (2.79)	0.551 (14.00)	Die Set A	25
NPBR- Nylon- Insulated							
NPBR-18-512-P50	1	18-22	0.937 (23.80)	0.075 (1.91)	0.512 (13.00)	Die Set A	50
NPBR-14-512-P50	1	14-16	0.937 (23.80)	0.075 (1.91)	0.512 (13.00)	Die Set A	50
NPBR-10-551-P25	1	10-12	1.063 (27.00)	0.110 (2.79)	0.551 (14.00)	Die Set A	25
NPBRD- Nylon- Insulated- Double Crimp							
NPBRD-18-512-P50	2	18-22	0.937 (23.80)	0.075 (1.91)	0.512 (13.00)	Die Set B	50
NPBRD-14-512-P50	2	14-16	0.937 (23.80)	0.075 (1.91)	0.512 (13.00)	Die Set B	50
NPBRD-10-551-P25	2	10-12	1.063 (27.00)	0.110 (2.79)	0.551 (14.00)	Die Set B	25

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

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Non-Insulated Splices

RoHS Compliant

UL LISTED 8M24

CSA

TYPE
ILSCONS

Features
- Manufactured from high strength copper alloy
- Electro-tin plated

Benefits
- Provides maximum conductivity
- Provides low contact resistance

Fig. 1

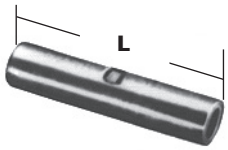

Fig. 2

Catalog Number	Figure Number	Wire Range	L
44630-B10	1	8	.38
44640-B10	1	6	.46
44650-B10	1	4	.54
44830-B10	2	8	.77
44840-B10	2	6	1.02
44850-B10	2	4	1.20

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Can be supplied in bulk. Consult factory for part number.

UL File E158587

Vinyl Insulated Splices

RoHS Compliant

UL LISTED 8M24

TYPE
ILSCONS
A1

Features
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Silver solder brazed seam
- Vinyl insulation
- UL Listed and CSA Certified for 600 volts, 90˚ C

Benefits
- Provides easy wire range identification
- #22-18 AWG Red, #16-14 AWG Blue, #12-10 AWG Yellow
- Provides maximum conductivity
- Provides low contact resistance
- May be crimped anywhere and will not split open, even under extreme operating stresses
- Provides tough pliable insulative qualities to protect connectors and wire from corrosion as well as providing some strain relief
- Ensures reliability for copper conductor

Fig. 1

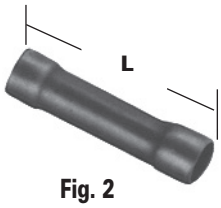

Fig. 2

Catalog Number	Figure Number	Wire Range	L	Maximum Wire Insulated Diameter	Connector Type
44730-B5	1	8	1.05	.385	Parallel Splice
44740-B5	1	6	1.19	.440	Parallel Splice
44750-B5	1	4	1.41	.515	Parallel Splice
44930-B5	2	8	1.46	.385	Butt Splice
44940-B5	2	6	1.80	.440	Butt Splice
44950-B5	2	4	1.95	.515	Butt Splice

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Can be supplied in bulk. Consult factory for part number.

UL File E158587

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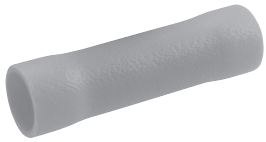
TYPE
ILSCONS

Features
- Butted configuration
- Internal wire stops
- Funnel wire entry
- Vinyl Insulation - VBST, VBSS
- Nylon Insulation - NBSS
- Color coded
- Manufactured from high strength copper alloy
- Electro-tin plated
- Seamless barrel - VBSS, NBSS
- UL Listed, see ratings in chart below

Benefits
- Provides fast, easy wire insertion in limited space applications, simply strip and crimp
- Ensures proper insertion length
- Smooth wire insertion into barrel
- Provides corrosion resistance and strain relief
- Increased heat and chemical resistant qualities for more demanding applications
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Offers maximum conductivity
- Provides low contact resistance
- Maximum crimp connection to prevent wire pull-out
- Ensures reliability for copper conductor



Catalog Number	Wire Range	Voltage Rating	Temp. Rating	Length - in. (mm)	Installation Tool ILST-22K	Package Quantity
VBST- Vinyl-Insulated- Butted						
VBST-18-P50	18-22	600 V	75˚ C	0.969 (24.61)	Die Set A	50
VBST-14-P50	14-16	600 V	75˚ C	0.969 (24.61)	Die Set A	50
VBST-10-P25	10-12	600 V	75˚ C	1.043 (26.49)	Die Set A	25
VBSS- Vinyl-Insulated- Seamless						
VBSS-18-P50	18-22	600 V	75˚ C	0.953 (24.21)	Die Set A	50
VBSS-14-P50	14-16	600 V	75˚ C	0.953 (24.21)	Die Set A	50
VBSS-10-P25	10-12	600 V	75˚ C	1.024 (26.01)	Die Set A	25
NBSS- Nylon-Insulated-Seamless						
NBSS-18-P50	18-22	600 V	105˚ C	0.992 (25.20)	Die Set A	50
NBSS-14-P50	14-16	600 V	105˚ C	0.992 (25.20)	Die Set A	50
NBSS-10-P25	10-12	600 V	105˚ C	1.110 (28.19)	Die Set A	25

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

Cool Seal® Splices
Sealed; Insulated

RoHS Compliant

c UL us LISTED 453G

TYPE
ILSCONS
A1

Features
- Butted configuration
- Uses an innovative anaerobic encapsulated sealant that is heatless and solderless
- Locks out moisture and air
- Nylon insulation
- Manufactured from high strength copper alloy
- Seamless barrel
- Color coded
- UL Listed for 600 volts, 105° C

Benefits
- Provides fast, easy wire insertion in limited space applications, simply strip and crimp
- An environmentally sealed connection which can be installed in a fraction of the time of comparable heat seal connectors
- Prevents corrosion
- Increased puncture, heat and chemical resistant qualities for more demanding applications
- Provides maximum conductivity
- Maximum crimp connection to prevent wire pull-out
- Provide easy wire range identification
- #18-22 AWG Red, #14-16 AWG Blue, #10-12 AWG Yellow
- Ensures reliability for copper conductor

Catalog Number	Wire Range	Length - in. (mm)	Installation Tool ILST-22K	Package Quantity
CSBS-18-P50	18-22	1.000 (25.40)	Die Set A	50
CSBS-14-P50	14-16	1.031 (26.19)	Die Set A	50
CSBS-10-P25	10-12	1.500 (38.10)	Die Set A	25

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486 C, UL File E6207

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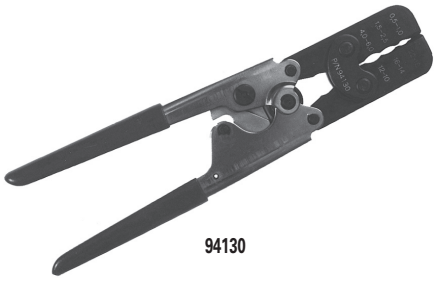
TYPE
94130
Controlled-Cycle Crimper

Features
- Dieless tool
- Ratchet mechanism
- Compound action
- Cushion grip handles
- Crimps insulated wire terminals
- Wire Range: 10-22 AWG, Weight .8 lb

Benefits
- No need to purchase and maintain dies
- Assures proper crimp force every time
- Delivers maximum crimp force with minimum effort
- Provides user comfort
- Provides flexibility in use

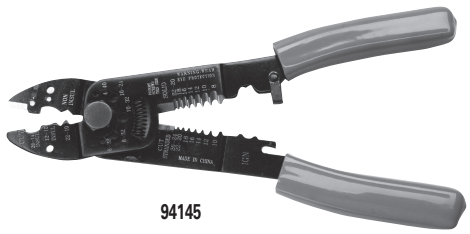


94130

TYPE
94145
Multi Purpose Crimp Tool

Features
- Heavy duty carbon steel construction
- Comfort grip handles
- Spring loaded action
- Safety lock mechanism
- Color coded crimp nest
- Crimp nest
- Wire cutter
- Machine screw cutters
- Wire stripper/wire gauge

Benefits
- Provides durable rugged reliability
- Provides user comfort
- Enables multiple crimps
- Provides for compact storage
- For insulated terminals
- For uninsulated terminals
- Easily cuts solid and stranded wire
- Cuts and rethreads 4-40, 6-32, 8-32, 10-24, and 10-32 machine screws
- 26-8 AWG



94145

Split Bolts

IK

134

IK3

135

SK

136

IKB

137

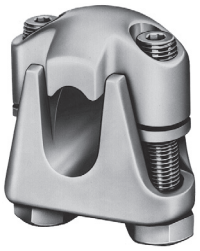
IKS

138

AK

139

DBA, DBA-S

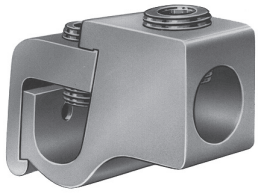


140

IPC

141

GTT



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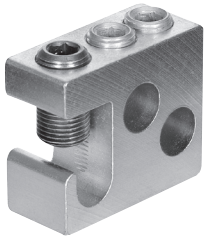
GT2



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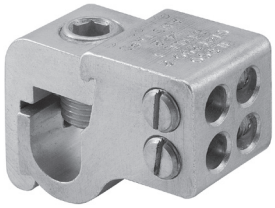
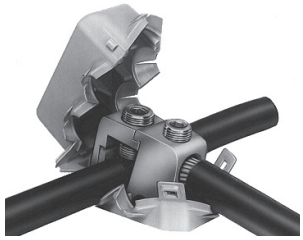
GT4T



144

GTA/GTT KIT



145

Copper Split Bolts

RoHS Compliant

UL LISTED 460C

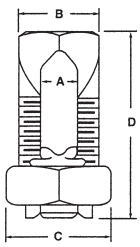
SA 701570

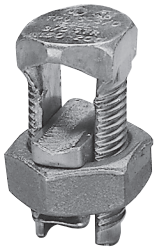
TYPE
IK

Features
- Manufactured from high strength copper alloy
- Precision tooled threads
- UL 467 Listed for Grounding and Bonding 500kcmil thru 8
- CSA Certified for Grounding and Bonding 250kcmil thru 8
- RUS Accepted 8 thru 1/0 AWG
- For use with copper conductor types: Solid, Compact, Compressed, Concentric
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90˚ C

Benefits
- Provides maximum conductivity and high breakage resistance
- Allows maximum torque to be applied
- Suitable for direct burial in earth and concrete
- Application versatility

B





Catalog Number	Range for Equal Tap & Main	Min. tap with One Max. Main	Max. Cond Copperweld		Rebar With 6 or 8 AWG	Wire Diameter	Dimensions				Reccommended Torque (IN-LB)
			Str	Type A			A	B	C	D	
IK-10	10str - 16str	16str	-	-	N/A	.057 - .125	.125	0.344	0.500	0.719	80
IK-8	8str - 16str	16str	-	-	N/A	.057 - .145	.145	0.375	0.500	0.844	80
IK-6	6sol - 10sol	16sol	-	-	N/A	.102 - .162	.165	0.500	0.625	1.047	165
IK-4	4sol - 8sol	16sol	3 No. 12	8A	N/A	.128 - .204	.215	0.562	0.688	1.047	165
IK-3	2sol - 6sol	12sol	3 No. 9	5A	N/A	.162 - .258	.328	0.688	0.812	1.312	275
IK-2	2str - 6sol	14str	3 No. 7	3A	N/A	.162 - .292	.328	0.688	0.812	1.312	275
IK-1/0	1/0str - 4sol	14sol	3 No. 6	2A	N/A	.204 - .375	.377	0.750	0.875	1.641	385
IK-2/0	2/0str - 2sol	14str	3 No. 5	-	#3 (3/8)	.258 - .418	.420	0.812	1.000	1.812	385
IK-3/0	3/0str - 2sol	12sol	7 No. 7	-	N/A	.258 - .470	0.466	0.875	1.125	2.000	500
IK-250	250kcmil - 1/0sol	10sol	7 No. 5	-	#4 (1/2)	.325 - .575	0.579	1.000	1.312	2.078	650
IK-350	350kcmil - 4/0str	8sol	19 No. 7	-	#5 (5/8)	.528 - .682	0.746	1.500	1.625	2.625	650
IK-500	500kcmil - 250kcmil	8sol	19 No. 6	-	#6 (3/4)	.575 - .815	0.834	1.625	1.812	3.000	825
IK-750	750kcmil - 350kcmil	8sol	19 No. 5	-	N/A	.682 - .999	1.030	1.938	2.125	3.750	1000
IK-1000	1000kcmil - 500kcmil	8sol	-	-	N/A	.815 - 1.153	1.222	2.250	2.500	4.000	1100

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E6207

Three Wire Copper Split Bolts

RoHS Compliant

UL LISTED 460C

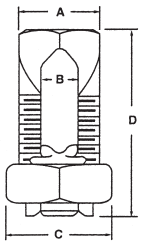
CSA 701570

TYPE
IK3

B

Features
- Manufactured from high strength copper alloy
- Precision tooled threads
- UL 467 Listed and CSA Certified for Grounding and Bonding
- RUS Accepted
- For use with copper conductor types: Solid, Compact, Compressed, Concentric
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90° C

Benefits
- Provides maximum conductivity and high breakage resistance
- Allows maximum torque to be applied
- Suitable for direct burial in earth and concrete
- Application versatility



Catalog Number	Range for Equal Tap & Main	Min. tap with One Max. Main	Max. Cond Copperweld		Wire Diameter Range	Dimensions				Reccommended Torque (IN-LB)
			Str	Type A		A	B	C	D	
IK3-8	8str - 16str	16str	-	-	.057 - .145	0.144	0.375	0.500	0.844	80
IK3-6	6sol - 10sol	16sol	-	-	.102 - .162	0.166	0.500	0.625	1.109	165
IK3-4	4sol - 8sol	16sol	3 No. 12	8A	.128 - .204	0.217	0.562	0.688	1.266	165
IK3-2	2str - 6sol	14str	3 No. 7	3A	.162 - .258	0.326	0.688	0.812	1.547	275

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E6207

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Tin Plated Copper Split Bolts

RoHS Compliant

UL LISTED 460C

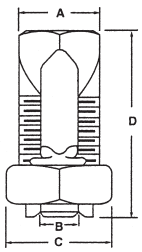
SA 701570

TYPE
SK

Features
- Manufactured from high strength copper alloy
- Electro-tin plated bolt, nut, spacer and pressure bar
- Precision tooled threads
- SK-10, SK-8, SK3, SK-2 SK-1/0, SK-2/0 are RUS Accepted
- For use with copper conductor types: Solid, Compact, Compressed, Concentric
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90˚ C

Benefits
- Provides maximum conductivity and high breakage resistance
- Provides low contact resistance
- Application versatility

B



Catalog Number	Range for Equal Tap & Main	Min. tap with One Max. Main	Max. Cond Copperweld		Wire Diameter Range	Dimensions				Reccommended Torque (IN-LB)
			Str	Type A		A	B	C	D	
SK-10	10str - 16str	16str	-	-	.057 - .116	.144	0.375	0.500	0.844	80
SK-8	8str - 16str	16str	-	-	.057 - .145	0.144	0.375	0.500	0.844	80
SK-6 +	8str - 14str	14str	-	-	.073 - .146	.166	0.500	0.625	1.109	165
SK-4 +	6str - 10str	10sol	3 No. 12	8A	.116 - .184	0.217	0.562	0.688	1.266	165
SK-3 +	4str - 8sol AL 2sol - 8sol CU	8sol AL 8sol CU	3 No. 9	5A	.128 - .258	0.326	0.688	0.812	1.547	275
SK-2 +	2str - 8sol	8sol	3 No. 7	3A	.128 - .316	0.326	0.688	0.812	1.547	275
SK-1/0	1/0str - 6sol	10sol	3 No. 6	-	.162 - .375	0.376	0.750	0.875	1.641	385
SK-2/0	2/0str - 6str	10sol	3 No. 5	-	.184 - .419	.420	0.812	1.000	1.812	385
SK-3/0	3/0str - 4str	6sol	7 No. 7	-	.198 - .470	0.466	0.875	1.125	2.000	500
SK-250	250kcmil - 4str	4str	7 No. 5	-	.232 - .575	0.577	1.000	1.312	2.328	650
SK-350	350kcmil - 3/0str	1sol	19 No. 7	-	.447 - .682	0.746	1.500	1.625	2.625	650
SK-500	500kcmil - 3/0str	1/0str	19 No. 6	-	.447 - .815	0.834	1.625	1.812	3.000	825
SK-750	750kcmil - 50kcmil	2/0str	19 No. 5	-	.563 - .999	1.030	1.938	2.125	3.750	1000
SK-1000	1000kcmil - 350kcmil	4/0str	-	-	.682 - 1.162	1.222	2.250	2.500	4.000	1100

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
+ AL9CU
UL File E12822

Copper
Two Bolt Connectors

RoHS Compliant

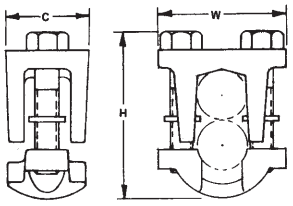
LISTED 453G

TYPE
IKB

B

Features
- Manufactured from high strength copper alloy
- Two bolt design
- Longer peened bolt
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- For copper conductor only
- Rated to 90˚ C

Benefits
- Allows maximum conductivity and high breakage resistance
- Allows maximum pressure to be applied directly to the conductor strands
- Permits a swivel action for easier installation
- Application versatility



	Copper Wire Range		Dimensions		
Catalog Number	**Main**	**Tap**	**C**	**H**	**W**
IKB-4/0 +	1/0-4/0	4/0-10	1.10	1.97	1.72
IKB-350 +	350kcmil-250kcmil	350kcmil-10	1.38	2.48	2.14
IKB-500	500kcmil-400kcmil	500kcmil-10	1.50	2.80	2.25
IKB-800	800kcmil-400kcmil	800kcmil-3/0	1.62	3.32	2.50
IKB-1000	1000kcmil-500kcmil	1000kcmil-3/0	2.00	3.78	3.03

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
+ RUS Listed
Tested to UL 486A/B, UL File E6207

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Two Bolt Connectors

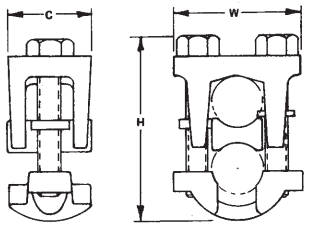
RoHS Compliant

TYPE
IKS

Features
- Manufactured from high strength copper alloy
- Electro-tin plated
- Two bolt design
- Longer peened bolt
- Serrated spacer bar
- For copper conductor only

Benefits
- Allows maximum conductivity and high breakage resistance
- Provides low contact resistance
- Allows maximum pressure to be applied directly to the conductor strands
- Permits a swivel action for easier installation
- Makes a secure connection

B



Catalog Number	Copper Wire Range		Dimensions		
	Main	Tap	C	H	W
IKS-4/0	4/0-1/0	4/0-6	1.12	2.31	1.72
IKS-350	350kcmil-250kcmil	350kcmil-6	1.38	2.62	2.12
IKS-500	500kcmil-400kcmil	500kcmil-4	1.50	3.00	2.26
IKS-800	800kcmil-400kcmil	800kcmil-4/0	1.62	3.50	2.50
IKS-1000	1000kcmil-500kcmil	1000kcmil-4/0	2.00	4.03	3.03

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Aluminum Split Bolt
Dual Rated

RoHS Compliant

UL LISTED 670B

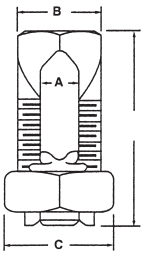
SA 72632

TYPE
AK

B

Features
- Manufactured from heat treated aluminum alloy
- Triangular edges
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Electro-tin plated
- Spacer bar
- Hex Head
- Rated to 90˚ C

Benefits
- Provides maximum conductivity and strength for copper and aluminum conductors
- Bite into the conductor to break through surface oxides which eliminates wire brushing
- Application versatility
- Provides low contact resistance
- Separates dissimilar metals which prevents galvanic corrosion
- Provides ease of installation with standard wrenches



Catalog Number	Copper Wire Range		Recommended Tightening Torque	Dimensions		
	Main	Tap		B	C	D
AK-6	6 str-10 sol	6 str-10 sol	165	.56	.75	1.88
AK-4	4 str-8 sol	4 str-10 sol	165	.62	.81	1.38
AK-2	2 str-6 str Compact	2 str-8 str	275	.69	.94	1.58
AK-1/0	1/0 str-2 str Compact	1/0 str-8 str	385	.75	1.00	1.92
AK-2/0	2/0 str-2 str Compact	2/0 str-8 str	385	.88	1.12	1.92
AK-4/0	4/0 str-2 str Compact	4/0 str-6 str	500	1.13	1.49	2.54
AK-350	350kcmil-1/0 str Compact	350kcmil-4 str	650	1.50	1.69	3.24
AK-500	500kcmil-400kcmil Compact	500kcmil-2 str Compact	825	1.73	2.00	3.62

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.
UL File E9998

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Aluminum Two Bolt Connectors
Dual Rated

RoHS Compliant

TYPE
DBA
DBA-S

Features
- Manufactured from high strength aluminum alloy
- Heat treated
- Wax plated
- Neoprene washers
- Range taking
- Re-usable
- Type DBA-S - Spacer bar

Benefits
- Type DBA - Suitable for copper to copper or aluminum to aluminum conductors
- Type DBA-S - Suitable for copper and/or aluminum conductors in any combination
- Provides maximum strength
- Provides low contact resistance
- Hold the bolts captive and eliminates the possibility of loose hardware
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Separates dissimilar metals

B

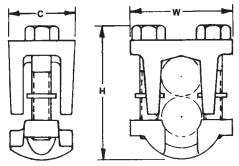


Fig. 1

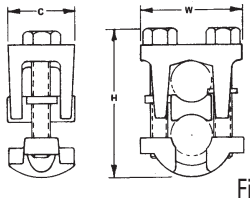
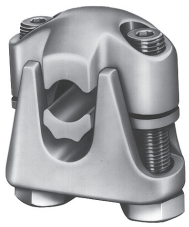


Fig. 2



Catalog Number	Figure Number	Copper Wire Range		Dimensions		
		Main	Tap	C	H	W
DBA-2/0	1	2/0-2	2/0-10	1-1/8	1-5/8	1-5/8
DBA-250	1	250kcmil-1/0	250kcmil-10	1-5/16	2	2
DBA-350	1	350kcmil-4/0	350kcmil-10	1-9/16	2-11/32	2-1/4
DBA-500	1	500kcmil-350kcmil	500kcmil-10	1-3/4	2-1/2	2-3/4
DBA-800	1	800kcmil-400kcmil	800kcmil-3/0	1-7/8	2-7/8	3
DBA-1000	1	1000kcmil-500kcmil	1000kcmil-3/0	2-1/4	3-3/16	3-1/2
DBA-2/0S	2	2/0-2	2/0-10	1-1/8	1-5/8	1-5/8
DBA-250S	2	250kcmil-1/0	250kcmil-10	1-5/16	2	2
DBA-350S	2	350kcmil-4/0	350kcmil-10	1-9/16	2-11/32	2-1/4
DBA-500S	2	500kcmil-350kcmil	500kcmil-10	1-3/4	2-1/2	2-3/4
DBA-800S	2	800kcmil-400kcmil	800kcmil-3/0	1-7/8	2-7/8	3
DBA-1000S	2	1000kcmil-500kcmil	1000kcmil-3/0	2-1/4	3-3/16	3-1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.

KUP-L-Tap®
Insulation Piercing Connectors
Dual Rated

RoHS Compliant

UL LISTED 453G

SA LR-29601

TYPE
IPC

Insul-Eater

B

Features
- Body is molded from tough, resilient glass-filled nylon
- Compact design
- Tin plated copper contact teeth
- Insulation piercing
- Perforated end tabs
- Pre-filled with silicone lubricant
- Versatile
- Increased safety
- Horizontal line grid
- Temperature rating 90˚ C

Benefits
- Provides high degree of breakage resistance and long dependable use
- Saves space
- Easily penetrates most types of insulation
- No need to strip the conductor which saves installation time
- Break out easily by hand
- Prevents oxidation and moisture from entering the contact area
- Can be used as a splice or tap connector
- Contains no external energized parts. Can be installed "hot" on energized conductors providing tap conductor is not under load.
- Provides a visual guide for proper installation of conductors

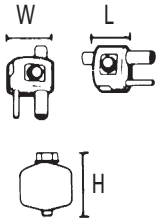


Fig. 1

Fig. 2

Fig. 3

Fig. 4

Catalog Number	Figure Number	Wire Range		Volts	Current Rating		Dimensions			Torque Ft. Lbs.	Bolt Head Size
		Main	Tap		CU	AL	L	W	H		
IPC-1/0-2	3	1/0-8	2-8	300 (480 Grounded Y System)	130	100	1-7/32	1-15/32	2-5/16	16	1/2
IPC-4/0-6	2	4/0-4	6-14	600	75	60	1-27/64	1	1-7/8	13	1/2
IPC-4/0-2/0	3	4/0-2	2/0-6	600	195	150	1-21/32	1-7/8	2-7/8	25	1/2
IPC-250-4/0	2	250kcmil - 1	4/0-6	600	260	205	1-7/8	2-11/32	3-11/32	30	5/8
IPC-350-4/0	3	350kcmil - 4/0	4/0-10	300 (480 Grounded Y System)	260	205	1-43/64	2-7/16	3-1/8	25	5/8
IPC-350-350	4	350kcmil - 4/0	350kcmil-4/0	300 (480 Grounded Y System)	350	280	2-43/64	2-23/32	3-1/4	25	5/8
IPC-500-12	1	500kcmil - 250kcmil	10-12	300 (480 Grounded Y System)	40	35	1-43/64	2-7/16	3-1/4	25	5/8
IPC-500-250	1	500kcmil - 250kcmil	250kcmil-4	600	290	230	2-27/64	2-29/32	3-3/4	55	5/8-11/16
IPC-500-500	1	500kcmil - 300kcmil	500kcmil-250kcmil	600	430	350	3-3/16	3-5/8	5	75	7/8-7/8
IPC-750-500	1	750kcmil - 500kcmil	500kcmil-350kcmil	600	430	350	3-3/16	3-5/8	5	75	7/8-7/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

Not for use with cloth insulated conductor type TCCW

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"T" Tap Connectors
Dual Rated - Lay-In

RoHS Compliant

UL LISTED 453G

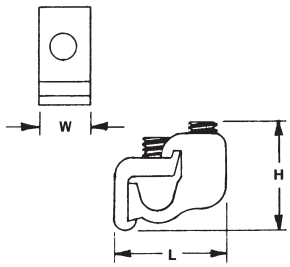
SA LR-29601

TYPE
GTT

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- UL Listed and CSA Certified for 600 volts, 90˚ C
- Compact design
- Range taking
- Re-usable
- Lay-in main conductor
- Insulating cover available

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Ensures reliability for copper or aluminum conductors
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- No need to break the feeder cable
- Eliminates taping

B



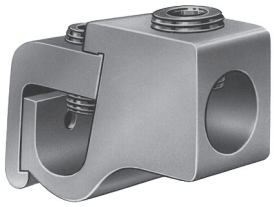


Fig. 1

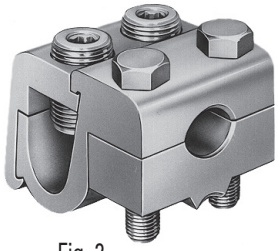
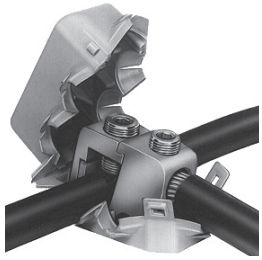


Fig. 2



Catalog Number	Figure Number	Wire Range		Dimensions			Hex Size Main	Tap
		Main	Tap	L	W	H		
GTT-2-2	1	2-12 str	2-12 AL 2-14 CU	1-1/4	9/16	1	Slot	Slot
GTT-0-0	1	1/0-2	1/0-12 AL 1/0-14 CU	1-9/16	3/4	1-1/8	Slot	Slot
GTT-250-0	1	250kcmil-1/0	1/0-12 AL 1/0-14 CU	2	7/8	1-7/16	5/16	Slot
GTT-250-250	1	250kcmil-1/0	250kcmil-6	2-1/8	7/8	1-7/16	5/16	5/16
GTT-350-350	1	350kcmil-4/0	350kcmil-6	2-7/16	1	1-11/16	3/8	3/8
GTT-500-500	1	500kcmil-350kcmil	500kcmil-2	2-15/16	1-1/4	2	3/8	3/8
GTT-750-500	1	750kcmil-500kcmil	500kcmil-2	3-3/8	1-1/4	2-7/16	3/8	3/8
GTT-750-750	2	750kcmil-500kcmil	750kcmil-600kcmil	3-3/8	2-3/8	2-7/16	1/2	EH 3/4

Note: If ordering with cover, add suffix W/C to catalog number.

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
EH-External Hex
Insulating covers are available for most connector sizes.
DE-OX Inhibitor is recommended for all aluminum terminations.
Tested to UL 486A/B, UL File E6207

Multiple Tap Connector
Dual Rated - Lay-In

RoHS Compliant

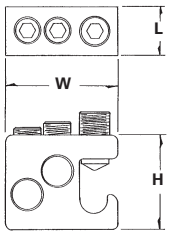
LISTED 453G

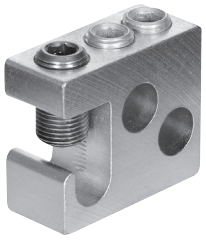
TYPE
GT2

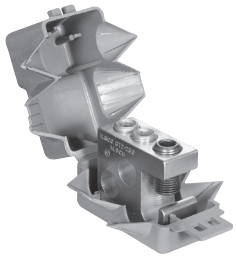
B

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- UL Listed for 600 volts, 90˚ C
- Compact design
- Range taking
- Re-usable
- Lay-in main conductor
- Supplied with cover

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Ensures reliability for copper or aluminum conductors
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- No need to break the feeder cable
- Eliminates taping







Catalog Number	Wire Range Main & Tap	No. of Taps	Dimensions			Hex Size
			L	W	H	
GT2-250-W/C	250kcmil-2	2	31/32	2-9/32	1-15/16	5/16

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.
Tested to UL 486A/B, UL File E6207

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Multiple Tap Connector
Dual Rated - Lay-In

RoHS Compliant

UL LISTED 453G

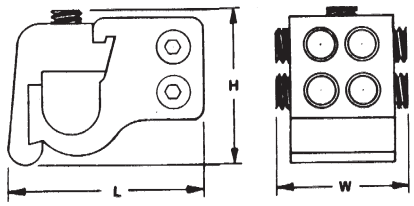
CSA LR-29601

TYPE
GT4T

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- UL Listed and CSA Certified for 600 volts, 90˚ C
- Compact design
- Range taking
- Re-usable
- Lay-in main conductor
- Insulating cover available

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Ensures reliability for copper or aluminum conductors
- Can make up to four taps off a single main which saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- No need to break the feeder cable
- Eliminates taping

B



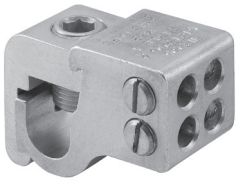


Fig. 1

Fig. 2

Catalog Number	Figure Number	Wire Range		No. of Taps	Dimensions			Hex Size	
		Main	Tap		L	W	H	Main	Tap
GT4T-250-2-1*	1	250kcmil-1/0	2-12 AL, 2-14 CU	4	2-3/16	1-1/8	1-35/64	5/16	Slot
GT4T-250-2-2*	2	250kcmil-1/0	2-12 AL, 2-14 CU	4	2-3/16	1-1/8	1-35/64	5/16	Slot
GT4T-350-2-1†	1	350kcmil-4/0	2-12 AL, 2-14 CU	4	2-17/32	1-1/8	1-17/32	3/8	Slot
GT4T-350-2-2*	2	350kcmil-4/0	2-12 AL, 2-14 CU	4	2-17/32	1-1/8	1-17/32	3/8	Slot
GT4T-500-2-1†	1	500kcmil-350kcmil	2-12 AL, 2-14 CU	4	2-31/32	1-1/4	1-11/16	3/8	Slot
GT4T-500-2-2†	2	500kcmil-350kcmil	2-12 AL, 2-14 CU	4	2-31/32	1-1/4	1-11/16	3/8	Slot
GT4T-500-0-1†	1	500kcmil-350kcmil	1/0-12 AL, 1/0-14 CU	4	2-31/32	1-1/4	1-11/16	3/8	Slot
GT4T-500-0-2†	2	500kcmil-350kcmil	1/0-12 AL, 1/0-14 CU	4	2-31/32	1-1/4	1-11/16	3/8	Slot

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* GTC-250-350 Cover can be used.
† GTC-500 can be used.
DE-OX Inhibitor is recommended for all aluminum terminations.

Tested to UL 486A/B, UL File E6207

Tap Connector Kits
Dual Rated

RoHS Compliant | UL LISTED 453G | CSA LR-29601

TYPE
GTA/GTT KITS

Features
- Kit includes connector, cover and 5cc DE-OX tube
- Manufactured from high strength aluminum alloy
- Cover has snap closure
- UL Listed and CSA Certified for 600 volts, 90° C

Benefits
- Saves time, convenient
- Suitable for use with copper or aluminum conductors
- Installs quickly, eliminates taping
- Ensures reliability

B

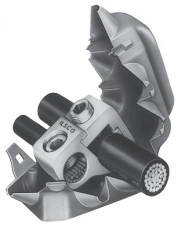


Fig. 1

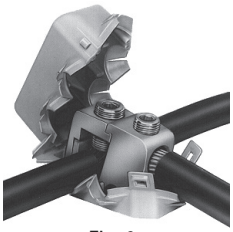


Fig. 2

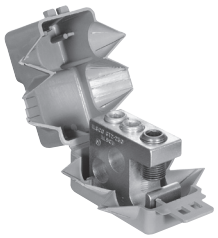


Fig. 3

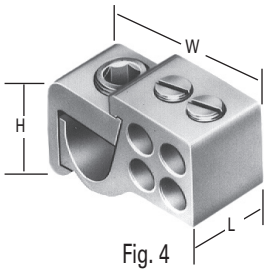


Fig. 4

Catalog Number	Figure Number	Wire Range		No. of Taps	Dimensions			Hex Size	
		Main	Tap		L	W	H	Main	Tap
GTA-0-0-W/C	1	1/0-2	1/0-12 AL, 1/0-14 CU	1	3/4	1-7/16	1-1/8	Slot	Slot
GTA-2-2-W/C	1	2-12	2-12 AL, 2-14 CU	1	9/16	1-1/8	1	Slot	Slot
GTA-250-0-W/C	1	250kcmil-1/0	1/0-12 AL, 1/0-14 CU	1	7/8	2	1-7/16	5/16	Slot
GTA-250-250-W/C	1	250kcmil-1/0	250kcmil-6	1	7/8	2	1-7/16	5/16	5/16
GTT-0-0-W/C	2	1/0-2	1/0-12 AL, 1/0-14 CU	1	3/4	1-9/16	1-1/8	Slot	Slot
GTT-2-2-W/C	2	2-12	2-12 AL, 2-14 CU	1	9/16	1-1/4	1	Slot	Slot
GTT-250-0-W/C	2	250kcmil-1/0	1/0-12 AL, 1/0-14 CU	1	7/8	2	1-7/16	5/16	Slot
GTT-250-250-W/C	2	250kcmil-1/0	250kcmil-6	1	7/8	2-1/8	1-7/16	5/16	5/16
GT2-250-W/C	3	250kcmil-2	250kcmil-2	2	1-3/4	3-1/4	2-1/2	5/16	5/16
GT4T-250-2-2-W/C	4	250kcmil-1/0	2-12 AL, 2-14 CU	4	2-1/4	1	1-11/16	5/16	Slot
GT4T-350-2-2-W/C	4	350kcmil-4/0	2-12 AL, 2-14 CU	4	2-7/16	1	1-3/4	3/8	Slot

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Note: Covers are for indoor use only.
Tested to UL 486A/B, UL File E6207

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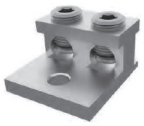
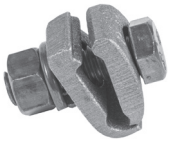
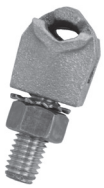
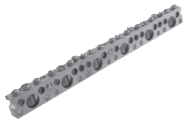
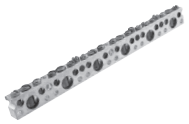
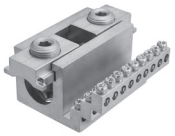
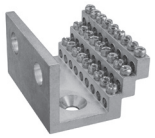
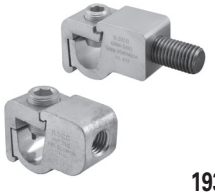
TA-I-TC 148	AU-I-TC  149	TA 150	ATTA 151	AU 152
ATAU 153	T3A 155	T4A4 155	PB 156	PBHD 157
PBMW 158	TLK 159	USGL 160	SPA 161	CA 162
GTA 163	GTT 164	GTC 165	GT2 166	GT4T 167
MGTT 168	PTA 169	MAC 170	IPC 171	SGC 172
SGB 173	GH, GHS 174	GJ, GJS 175	GM, GMS, GWL  176	GT 177
LS, LSN  178	PED-Z 179	PED-X, PSA-Z 180	PET 181	PTT 182

Mechanical

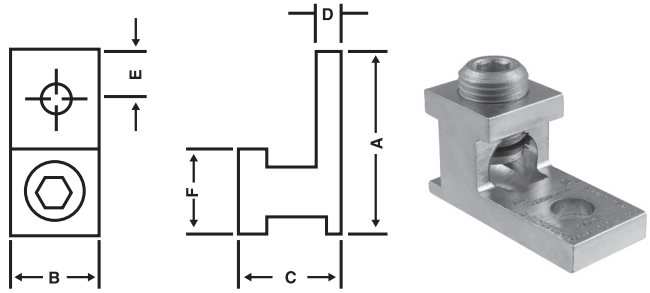
NB 183	NBAS 184	NBAE  185	NBCE  186	NBST 187
SCNL  188	SCNM  189	USPASS 190	SS,SSK,SSKC 191	PG 192
GRM, GRF  193	SLU/SAU 194	SLS/SAS 194	E, H 195	SLUH 196
LO 197	VT/LO-S 198	XT, LY 199	CP 200	CO 201 – 202
SX 203	2SC 204	MU, LU 205	CL 206 – 207	HL 208
CL 209	H2L 210	H3L 211	SRC 212	D167 213
		CAN 214	SK 215	TORQUE INDEX 216

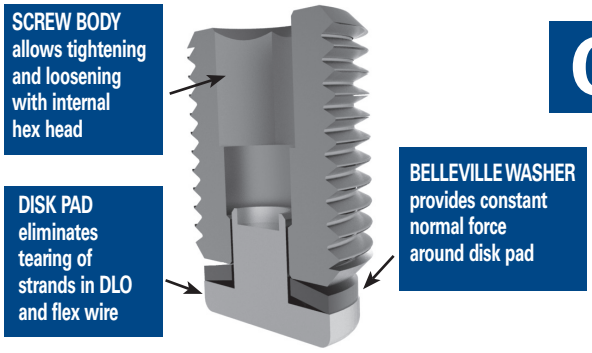
Dual Rated Solderless Lugs - TC

TYPE
TA-I-TC

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Chamfered wire entry
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90˚ C

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation
- Application versatility





C

Catalog Number	Conductor Range	Fine Strand and CU Conductor Range	Mounting Hole Diameter	Dimensions						Hex Size
				A	B	C	D	E	F	
TA3/0I-TC	3/0-6	2/0-6 CLASS H, I, K, & DLO 1-6 CLASS M	.344	1.875	.875	1.000	.250	.470	.875	1/4
TA250I-TC	250kcmil-6	4/0-6 CLASS H, I, K 2/0-6 CLASS M 3/0-6 DLO	.406	2.125	.938	1.125	.293	.500	1.00	5/16
TA350I-TC	350kcmil-6	250kcmil-6 CLASS H, I, K 4/0-6 CLASS M 262.2-6 DLO	.406	2.375	1.000	1.375	.312	.625	1.125	5/16
TA500I-TC	500kcmil-4	350kcmil-4 CLASS H, I, K 4/0-6 CLASS M 373.7-4 DLO	.406	2.613	1.350	1.500	.423	.690	1.200	3/8
TA800I-TC	800kcmil-300kcmil	500kcmil-4 CLASS H, I, K 4/0-3/0 CLASS M 535.3-3/0 DLO	.660	3.250	1.468	1.875	.500	.880	1.500	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.

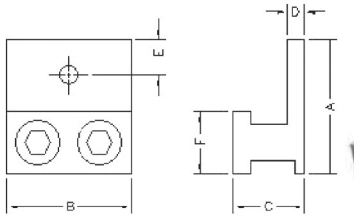
Dual Rated Solderless Lugs - TC

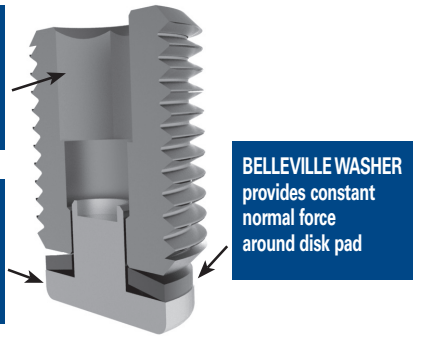
TYPE
AU-I-TC

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- CSA Certified and UL listed
- I-Beam construction
- Utilizes ILSCO's patented TC screw
- Rated for 600 volts, 90˚ C

Benefits
- Dual rated for copper or aluminum conductors
- Provides low contact resistance
- Ensures reliability for copper or aluminum conductors
- Reduces material content while maintaining the same performance standards as full sized connectors
- Patented TC screw eliminates the need for ferrules
- Suitable for fine strand (flex) or class B/C building code conductor
- Reusable

C





Catalog Number	Class B/C CU or AL Conductor Size Range (AWG/kcmil)	Fine Strand and CU Conductor Size Range	Mounting Hole Diameter	Dimensions						Internal Hex Size
				A	B	C	D	E	F	
AU3/0I-TC	3/0-6	2/0-6 CLASS H, I, K, & DLO 1-6 CLASS M	.344	1.875	1.828	1.000	.250	.470	.875	1/4
AU250I-TC	250-6	4/0-6 CLASS H, I, K 2/0-6 CLASS M 3/0-6 DLO	.406	2.125	1.954	1.125	.293	.500	1.00	5/16
AU350I-TC	350-6	250-6 CLASS H, I, K 4/0-6 CLASS M 262.2-6 DLO	.406	2.375	2.078	1.375	.312	.625	1.125	5/16
AU500I-TC	500-4	350-4 CLASS H, I, K 4/0-4 CLASS M 373.7-4 DLO	.406	2.613	2.825	1.500	.423	.690	1.200	3/8
AU800I-TC	800-300	500-3/0 CLASS H, I, K 4/0-3/0 CLASS M 535.3-3/0 DLO	.660	3.061	1.468	1.875	.500	.880	1.500	1/2

De-Ox inhibitor is recommended for all aluminum terminations.

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Aluminum Mechanical Lugs
Dual Rated - One Conductor

RoHS Compliant | UL LISTED 453G | SA LR-29601

TYPE
TA

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Chamfered wire entry
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90˚ C

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation
- Application versatility

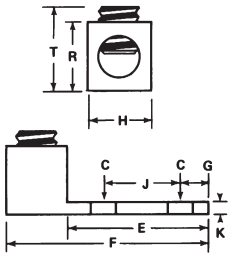


Fig. 1

Fig. 2

Fig. 3

Fig. 4

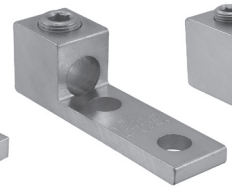


Fig. 5

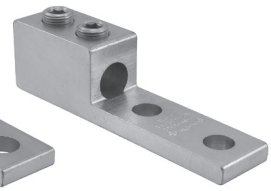


Fig. 6

C

Catalog Number	Figure Number	Conductor Range	Bolt Size	Dimensions									Hex Size
				C	E	F	G	H	J	K	R	T	
TA-6-S‡	1	4-14	1/4	17/64	11/16	1-1/16	1/4	1/2	–	3/32	1/2	41/64	S
TA-2‡	1	One: 2-14, Two: 10-14CU 10-12 AL	1/4	17/64	11/16	1-5/32	5/16	1/2	–	7/64	9/16	3/4	S
TA-0‡	1	One: 1/0-14 Two: 4-12	1/4	17/64	27/32	1-15/32	7/16	5/8	–	3/16	25/32	29/32	S
TA-2/0‡	2	2/0-14	1/4	17/64	27/32	1-15/32	7/16	5/8	–	3/16	25/32	1-1/32	3/16
TA-250‡	2	250kcmil-6	5/16	21/64	1	2	15/32	1	–	1/4	1-1/8	1-21/64	5/16
TA-300‡	2	300kcmil-6	1/4	9/32	1	2	1/2	55/64	–	1/4	1-1/8	1-11/32	5/16
TA-350‡	2	350kcmil-6	3/8	13/32	1-1/8	2-1/4	1/2	1-1/8	–	1/4	1-1/4	1-29/64	3/8
TA-500‡	2	500kcmil-4	3/8	13/32	1-19/32	2-13/16	7/8	1-1/2	–	5/16	1-13/16	1-13/16	3/8
TA-500-S	3	One: 600kcmil-4 Two: 250kcmil-1/0*	3/8	13/32	1-1/2	2-13/16	5/8	1-5/16	–	5/16	1-13/16	2-3/16	1/2
TA-600	2	600kcmil-2	3/8	13/32	1-13/16	3-3/16	7/8	1-1/2	–	7/16	1-9/16	1-31/32	1/2
TA-800	2	800kcmil-300kcmil	5/8	21/32	1-3/4	3-3/8	7/8	1-3/4	–	1/2	1-15/16	2-15/64	1/2
TA-800-S	4	800kcmil-3/0	5/8	21/32	1-3/4	3-1/4	11/16	1-5/16	–	1/2	1-13/16	2-3/16	1/2
TA-1000	2	1000kcmil-350kcmil	5/8	21/32	1-3/4	3-3/8	7/8	1-3/4	–	1/2	1-15/16	2-25/64	9/16
TA-1000-S	4	1000kcmil-500kcmil	5/8	21/32	1-3/4	3-1/4	11/16	1-7/16	–	1/2	1-13/16	2-3/16	9/16
TA-350-2NS	5	350kcmil-6	1/2	9/16	3	4-5/16	5/8	1-1/8	1-3/4	5/16	1-3/8	1-29/64	3/8
TA-600-2NS	5	600kcmil-2	1/2	9/16	3-5/16	4-11/16	5/8	1-1/2	1-3/4	7/16	1-3/8	1-59/64	1/2
TA-800-2NS	5	800kcmil-300kcmil	1/2	9/16	3-1/8	4-3/4	5/8	1-3/4	1-3/4	1/2	1-15/16	2-3/16	1/2
TA-1000-2NS	5	1000kcmil-500kcmil	1/2	9/16	3-1/8	4-3/4	5/8	1-3/4	1-3/4	1/2	1-15/16	2-27/64	9/16
TA-350-2N	6	350kcmil-6	1/2	9/16	3-1/4	5-1/2	5/8	1-1/4	1-3/4	3/8	1-1/2	1-21/32	(2)3/8
TA-600-2N	6	600kcmil-2	1/2	9/16	3-1/4	5-1/2	5/8	1-3/8	1-3/4	3/8	1-1/2	1-31/32	(2)3/8
TA-800-2N	6	800kcmil-300kcmil	1/2	9/16	3-5/8	5.97	5/8	1-1/2	1-3/4	1/2	1.813	2-15/64	(2)1/2
TA-1000-2N	6	1000kcmil-350kcmil	1/2	9/16	3-5/8	5.97	5/8	1-5/8	1-3/4	1/2	1.813	2-25/64	(2)1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* Parallel conductor must be identical
Tested to UL 486A/B, UL File E6207
‡ Tested to UL 467, UL File E6207

DE-OX Inhibitor is recommended for all aluminum terminations.

Aluminum Mechanical Lugs
Anti-Turn Connector
Dual Rated - One Conductor

RoHS Compliant

UL LISTED 453G

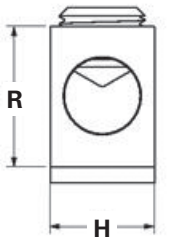
SA LR-29601

TYPE
ATTA

Features
- Manufactured from high strength aluminum alloy
- Electro-tin plated
- Chamfered wire entry
- Anti-rotation bar
- Suitable for use in circuits rated 35KV or less; proper high voltage spacing and insulation techniques must be used
- AL9CU, rated to 90° C

Benefits
- Suitable for use with copper or aluminum conductors
- Provides low contact resistance
- For easy conductor insertion
- Reduces risk of movement at installation
- Application versatility

C



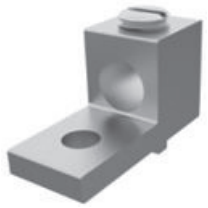
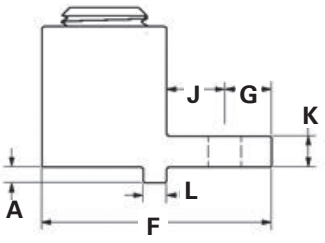


Fig. 1



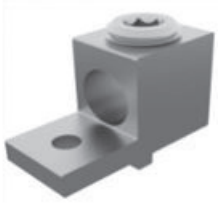


Fig. 3

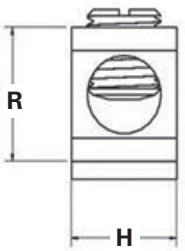


Fig. 2

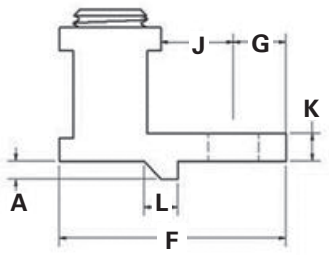


Fig. 4

Catalog Number	Figure Number	Conductor Range	Bolt Size	Dimensions - in. (mm)								Hex Size
				H	R	F	J	G	K	L	A	
ATTA-1/0-14	1	1/0-14	1/4	0.625 (15.9)	0.787 (20.0)	1.468 (37.3)	0.468 (11.9)	0.375 (9.5)	0.187 (4.7)	0.125 (3.2)	0.062 (1.6)	SLOT
ATTA-2/0-14	2	2/0-6	1/4	0.625 (15.9)	0.747 (19.0)	1.340 (34.0)	0.330 (8.4)	0.310 (7.9)	0.156 (4.0)	0.200 (5.1)	0.100 (2.5)	SLOT
ATTA-250-14	3	250kcmil-6	1/4	0.836 (21.2)	1.125 (28.6)	1.843 (46.8)	0.468 (11.9)	0.375 (9.5)	0.250 (6.4)	0.188 (4.8)	0.125 (3.2)	5/16
ATTA-300-14	4	300kcmil-6	1/4	1.000 (25.4)	1.125 (28.6)	2.080 (52.8)	0.330 (8.4)	0.470 (11.9)	0.250 (6.4)	0.273 (6.9)	0.100 (2.5)	3/8
ATTA-350-38	3	350kcmil-6	3/8	1.000 (25.4)	1.125 (28.6)	1.906 (48.4)	0.500 (12.7)	0.406 (10.3)	0.250 (6.4)	0.187 (4.7)	0.125 (3.2)	3/8
ATTA-350-14	4	350kcmil-6	1/4	1.000 (25.4)	1.125 (28.6)	1.760 (44.7)	0.390 (9.9)	0.330 (8.4)	0.200 (5.1)	0.273 (6.9)	0.100 (2.5)	3/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX® oxide inhibitor recommended for all aluminum terminations
Tested to UL486A/B, UL File E6207

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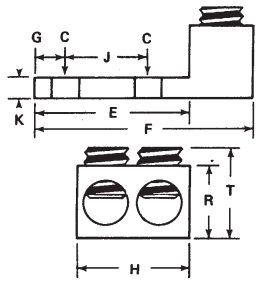
Aluminum Mechanical Lugs
Dual Rated - Two Conductor

RoHS Compliant | UL LISTED 453G | SA LR-29601

TYPE
AU

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Chamfered wire entry
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90˚ C

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation
- Application versatility



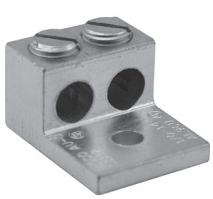


Fig. 1

Fig. 2

Fig. 3

Fig. 4

C

Catalog Number	Figure Number	Wire Range	Bolt Size	Dimensions									Hex Size
				C	E	F	G	H	J	K	R	T	
AU-0‡	1	Two: 1/0-14	1/4	17/64	27/32	1-15/32	7/16	1-1/8	–	3/16	51/64	29/32	S
AU-2/0‡	2	Two: 2/0-14	1/4	17/64	27/32	1-15/32	27/64	1-1/4	–	3/16	51/64	1-1/32	3/16
AU-250‡	2	Two: 250kcmil-6	3/8	25/64	1-9/16	2-9/16	7/8	1-21/32	–	1/4	1-3/16	1-9/32	5/16
AU-350‡	2	Two: 350kcmil-6	1/2	9/16	1-3/4	2-7/8	7/8	1-57/64	–	1/4	1-1/4	1-3/8	5/16
AU-600	2	Two: 600kcmil-2	1/2	17/32	1-13/16	3-3/16	5/8	2-13/32	–	7/16	1-9/16	1-31/32	1/2
AU-800	2	Two: 800kcmil-300kcmil	5/8	21/32	1-3/4	3-3/8	7/8	3-3/16	–	1/2	1-15/16	2-15/64	1/2
AU-1000	2	Two: 1000kcmil-500kcmil	5/8	21/32	1-3/4	3-3/8	7/8	3-3/16	–	1/2	1-15/16	2-25/64	9/16
AU-600-2NS	3	Two: 600kcmil-2	1/2	9/16	3-5/16	4-11/16	5/8	2-13/32	1-3/4	7/16	1-3/8	2-3/64	1/2
AU-800-2NS	3	Two: 800kcmil-300kcmil	1/2	9/16	3-1/8	4-3/4	5/8	3-3/16	1-3/4	1/2	1-15/16	2-3/16	1/2
AU-1000-2NS	3	Two: 1000kcmil-500kcmil	1/2	9/16	3-1/8	4-3/4	5/8	3-3/16	1-3/4	1/2	1-5/8	2-33/64	9/16
AU-350-2N‡	3	Two: 350kcmil-6	1/2	9/16	3	4-5/16	5/8	2	1-3/4	5/16	1-3/8	1-29/64	5/16
AU-350-N*	4	Two: 350kcmil-6	1/2	9/16	3-1/4	5-1/2	5/8	2-3/4	1-3/4	3/8	1-1/2	1-31/32	5/16
AU-600-2N*	4	Two: 600kcmil-2	1/2	9/16	3-1/4	5-1/2	5/8	2-3/4	1-3/4	3/8	1-1/2	1-31/32	1/2
AU-800-2N*	4	Two: 800kcmil-300kcmil	1/2	9/16	3-5/8	5-31/32	5/8	3	1-3/4	1/2	1-13/16	2-15/64	1/2
AU-1000-2N*	4	Two: 1000kcmil-500kcmil	1/2	9/16	3-5/8	5-31/32	5/8	3-1/4	1-3/4	1/2	1-13/16	2-25/64	9/16

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.
Tested to UL 486A/B, UL File E6207
‡ Tested to UL 467, UL File E6207
* Mounting hole spacing from side to side, hole to hole is .875

Aluminum Mechanical Lugs
Anti-Turn Connector
Dual Rated - Two Conductor

RoHS Compliant

UL LISTED 453G

SA LR-29601

TYPE
ATAU

Features
- Manufactured from high strength aluminum alloy
- Electro-tin plated
- Chamfered wire entry
- Anti-rotation bar
- Suitable for use in circuits rated 35KV or less; proper high voltage spacing and insulation techniques must be used
- AL9CU, rated to 90° C

Benefits
- Suitable for use with copper or aluminum conductors
- Provides low contact resistance
- For easy conductor insertion
- Reduces risk of movement at installation
- Application versatility

C

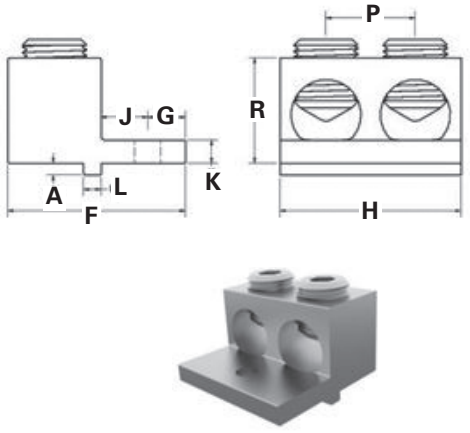


Fig. 1

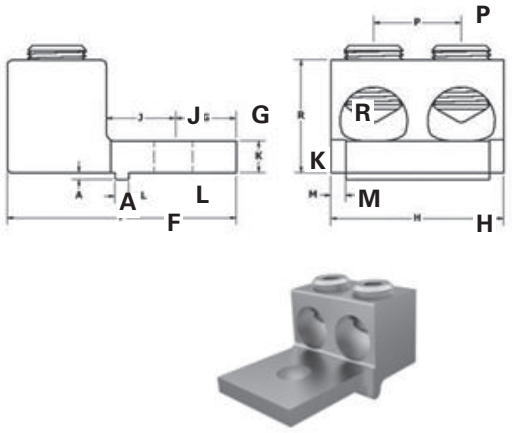


Fig. 2

Catalog Number	Figure Number	Wire Range	Bolt Size	Dimensions										Hex Size
				H	R	P	M*	F	J	G	K	L	A	
ATAU-2/0-14	1	2/0-14	1/4	1.250 (31.8)	0.787 (20.0)	0.656 (16.7)	N/A	1.468 (37.3)	0.503 (12.8)	0.340 (8.6)	0.187 (4.7)	0.125 (3.2)	0.062 (1.6)	3/16
ATAU-350-14	1	350kcmil-6	1/4	1.938 (49.2)	1.125 (28.6)	0.957 (24.3)	N/A	1.906 (48.4)	0.500 (12.7)	0.406 (10.3)	0.250 (6.4)	0.187 (4.7)	0.125 (3.2)	5/16
ATAU-350-12*	2	350kcmil-4	1/2	1.900 (48.3)	1.250 (31.8)	0.957 (24.3)	0.075 (1.9)	2.875 (73.0)	0.875 (22.2)	0.875 (22.2)	0.250 (6.4)	0.250 (6.4)	0.250 (6.4)	5/16
ATAU-600-12*	2	600kcmil-2	1/2	2.406 (61.1)	1.562 (39.7)	1.219 (31.0)	0.203 (5.2)	3.000 (76.2)	0.938 (23.8)	0.687 (17.4)	0.437 (11.1)	0.187 (4.7)	0.093 (2.4)	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX® oxide inhibitor recommended for all aluminum terminations
Tested to UL486A/B, UL File E6207
*Reduced tang design to accommodate physical breaker box mounting limitations

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Aluminum Mechanical Lugs
Dual Rated - Three Conductor

RoHS Compliant | UL LISTED 453G | SA LR-29601

TYPE
T3A

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro tin plated
- Chamfered wire entry
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation t echniques must be used
- Must be mounted with a minimum of 2 bolts
- Rated to 90˚ C

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation
- Application versatility

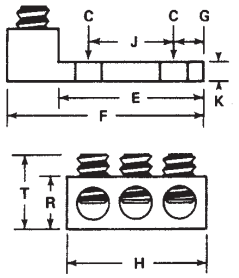

Fig. 1

Fig. 2

Fig. 3

C

Catalog Number	Figure Number	Wire Range	Bolt Size	Dimensions									Hex Size
				C	E	F	G	H	J	K	R	T	
T3A2-2	1	Three: 2-14	5/16	11/32	1-11/16	2-3/16	11/32	1-19/32	7/8	3/16	5/8	13/16	Slot
T3A2-0	1	Three: 1/0-14	3/8	7/16	2-5/32	2-29/32	11/32	1-15/16	1	1/4	7/8	15/16	Slot
T3A2-3/0N	1	Three: 3/0-6	1/2	9/16	3	3-7/8	5/8	2-13/16	1-3/4	5/16	1-1/8	1-1/2	5/16
T3A2-250N	1	Three: 250kcmil-6	1/2	9/16	3	4	5/8	2-13/16	1-3/4	5/16	1-3/16	1-17/32	5/16
T3A2-350N	1	Three: 350kcmil-6	1/2	9/16	3	4-5/16	5/8	3	1-3/4	5/16	1-3/8	1-17/32	5/16
T3A2-600N*	3	Three: 600kcmil-2	1/2	9/16	3-1/4	5-1/2	5/8	3-1/2	1-3/4	3/8	1-1/2	1-49/64	1/2
T3A2-800N*	3	Three: 800kcmil-300kcmil	1/2	9/16	3-5/8	5-31/32	5/8	4-1/8	1-3/4	1/2	1-13/16	2-21/64	5/16
T3A2-1000N*	3	Three: 1000kcmil-350kcmil	1/2	9/16	3-5/8	5-31/32	5/8	4-7/8	1-3/4	1/2	1-13/16	2-21/64	3/8
T3A4-2	2	Three: 2-14	5/16	11/32	1-11/16	2-3/16	11/32	1-19/32	7/8	3/16	5/8	13/16	Slot
T3A4-0	2	Three: 1/0-14	3/8	7/16	2-5/32	2-29/32	11/32	1-15/16	1	1/4	7/8	15/16	Slot
T3A4-3/0N	2	Three: 3/0-6	1/2	9/16	3	3-7/8	5/8	2-13/16	1-3/4	5/16	1-1/8	1-1/2	5/16
T3A4-250N	2	Three: 250kcmil-6	1/2	9/16	3	4	5/8	2-13/16	1-3/4	5/16	1-3/16	1-17/32	5/16
T3A4-350N	2	Three: 350kcmil-6	1/2	9/16	3	4-5/16	5/8	3	1-3/4	5/16	1-3/8	1-17/32	5/16
T3A4-600N*	3	Three: 600kcmil-2	1/2	9/16	3-1/4	5-1/2	5/8	3-1/2	1-3/4	3/8	1-1/2	1-49/64	1/2
T3A4-800N*	3	Three: 800kcmil-300kcmil	1/2	9/16	3-5/8	5-31/32	5/8	4-1/8	1-3/4	1/2	1-13/16	2-21/64	1/2
T3A4-1000N*	3	Three: 1000kcmil-350kcmil	1/2	9/16	3-5/8	5-31/32	5/8	4-7/8	1-3/4	1/2	1-13/16	2-21/64	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.
Tested to UL 486A/B, UL File E6207
* Mounting hole spacing from side to side, hole to hole is .875

Aluminum Mechanical Lugs
Dual Rated - Four Conductor

RoHS Compliant

UL LISTED 453G

SA LR-29601

TYPE
T4A4

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Chamfered wire entry
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Must be mounted with a minimum of 4 bolts
- Rated to 90˚ C

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation
- Application versatility

C

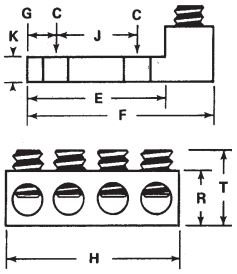

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Catalog Number	Figure Number	Wire Range	Bolt Size	Dimensions									Hex Size
				C	E	F	G	H	J	K	R	T	
T4A4-250N*	1	250kcmil-6	1/2	9/16	3	4	5/8	3-49/64	1-3/4	5/16	1-3/16	1-17/32	5/16
T4A4-350N*	1	350kcmil-6	1/2	9/16	3	4-5/16	5/8	4-1/64	1-3/4	5/16	1-3/8	1-17/32	5/16
T4A4-600N*	3	600kcmil-2	1/2	9/16	3-1/4	5-1/2	5/8	5	1-3/4	3/8	1-1/2	1-7/8	1/2
T4A4-800N*	2	800kcmil-300kcmil	1/2	9/16	3-5/8	5-31/32	5/8	6	1-3/4	1/2	1-13/16	2-13/64	1/2
T4A4-1000N*	4	1000kcmil-350kcmil	1/2	9/16	3-5/8	5-31/32	5/8	6-1/2	1-3/4	1/2	1-13/16	2-13/64	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.
Tested to UL 486A/B, UL File E6207
* Mounting hole spacing from side to side, hole to hole is .875

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Aluminum Panelboard Lugs
Dual Rated

RoHS Compliant | UL LISTED 453G | SA LR-29601

TYPE
PB

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Chamfered wire entry
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Stacked design
- Rated to 90˚ C

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation
- Application versatility
- Saves space and reduces installation time

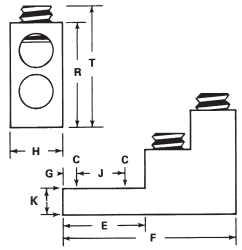


Fig. 1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6 Fig. 7 Fig. 8

C

Catalog Number	Figure Number	Wire Range	Bolt Size	Dimensions									Hex Size
				C	E	F	G	H	J	K	R	T	
PB2-300	1	300kcmil-6	5/16	21/64	1	3	15/32	1	-	5/16	2	2-5/16	5/16
PB2-500	2	500kcmil-4/0	1/4	9/32	1-11/16	2-29/32	1/4	1-7/16	11/16	5/8	2-3/8	1-27/64	3/8
PB2-600	4	600kcmil-2	3/8	13/32	2-11/32	4-29/32	3/8	1-1/2	1-3/8	5/8	3	3-29/64	1/2
PB3-600	6	600kcmil-2	3/8	13/32	2-11/32	4-29/32	3/8	2-15/32	1-3/8	5/8	3	3-29/64	1/2
PB4-600	8	600kcmil-2	3/8	13/32	2-11/32	4-29/32	3/8	2-15/32	1-3/8	5/8	3	3-29/64	1/2
PB2-750	4	750kcmil-1/0	3/8	13/32	2-11/32	4-29/32	3/8	1-11/16	1-3/8	5/8	3	3-29/64	1/2
PB4-750	8	750kcmil-1/0	3/8	13/32	2-11/32	4-29/32	3/8	2-5/8	1-3/8	5/8	3	3-29/64	1/2
PB3-600-2N	5	600kcmil-2	1/2	9/16	3-1/8	5-11/16	3/8	2-15/32	1-3/4	3/4	3	3-29/64	1/2
PB2-600-2N	3	600kcmil-2	1/2	9/16	3-1/8	5-11/16	3/8	1-1/2	1-3/4	3/4	3	3-29/64	1/2
PB2-750-2N	3	750kcmil-1/0	1/2	9/16	3-1/8	5-11/16	3/8	1-11/16	1-3/4	3/4	3	3-29/64	1/2
PB4-600-2N	7	600kcmil-2	1/2	9/16	3-1/8	5-11/16	3/8	2-15/32	1-3/4	3/4	3	3-29/64	1/2
PB4-750-2N	7	750kcmil-1/0	1/2	9/16	3-1/8	5-11/16	3/8	3-1/16	1-3/4	3/4	3	3-29/64	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.
Tested to UL 486A/B, UL File E6207

Aluminum Panelboard Lugs
Dual Rated

RoHS Compliant

UL LISTED 453G

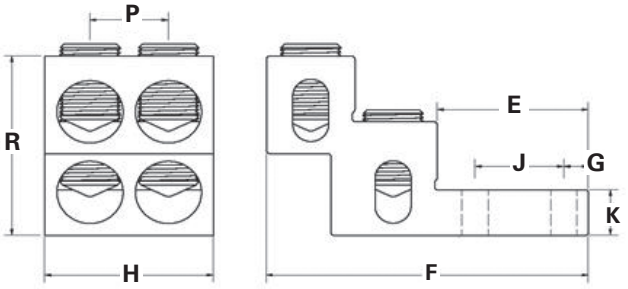
SA LR-29601

TYPE
PBHD

Features
- Heavy duty design
- Manufactured from high strength aluminum alloy
- Electro-tin plated
- Suitable for use in circuits rated 35KV or less; proper high voltage spacing and insulation techniques must be used
- Stacked design
- AL9CU, rated to 90˚ C

Benefits
- Provides greater resistance to pull out
- Suitable for use with copper or aluminum conductors
- Provides low contact resistance
- Application versatility
- Saves space and reduces installation time

C



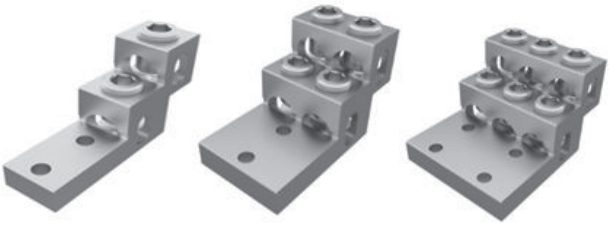


Fig. 1 Fig. 2 Fig. 3

Catalog Number	Figure Number	No. of Ports	Wire Range	Bolt Size	Dimensions - in. (mm)								Hex Size
					H	R	P	F	J	G	K	E	
PBHD2-750	1	2	750kcmil-2	3/8	1.400 (35.6)	2.960 (75.2)	N/A	5.005 (127.1)	1.380 (35.1)	0.380 (9.7)	0.750 (19.1)	2.350 (59.7)	1/2
PBHD4-750	2	4	750kcmil-2	3/8	2.620 (66.5)	2.960 (75.2)	1.220 (31.0)	5.005 (127.1)	1.380 (35.1)	0.380 (9.7)	0.750 (19.1)	2.350 (59.7)	1/2
PBHD6-750*	3	6	750kcmil-2	3/8	3.840 (97.5)	2.960 (75.2)	1.220 (31.0)	5.005 (127.1)	1.380 (35.1)	0.380 (9.7)	0.750 (19.1)	2.350 (59.7)	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX® oxide inhibitor recommended for all aluminum terminations
Tested to UL486A/B, UL File E6207
* UL Recognized

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Aluminum Panelboard Lugs
Dual Rated - Multi Wire

RoHS Compliant

c UL us LISTED 453G

TYPE
PBMW

Features
- Multi-Wire hole
- Manufactured from high strength aluminum alloy
- Electro-tin plated
- Stacked design
- Suitable for use in circuits rated 35KV or less; proper high voltage spacing and insulation techniques must be used
- AL9CU, rated to 90˚ C

Benefits
- Can terminate two wires per port, parallel wires must be identical
- Suitable for use with copper or aluminum conductors
- Provides low contact resistance
- Saves spaces and reduces installation time
- Application versatility

C

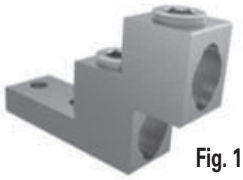


Fig. 1

Fig. 2

Fig. 3

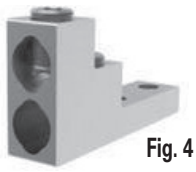


Fig. 4

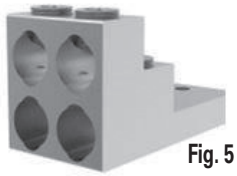


Fig. 5

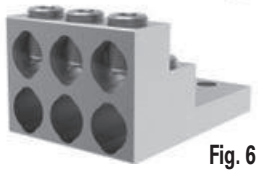
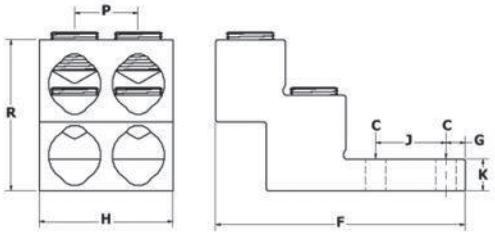
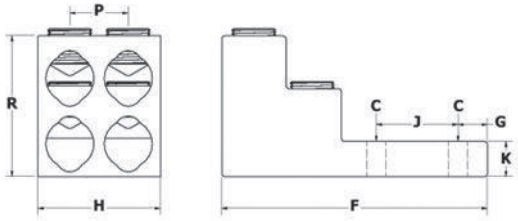


Fig. 6





Catalog Number	Figure Number	Wire Range	No. of Ports	Bolt Size	Dimensions								Hex Size
					H	R	P	F	J	G	K	C	
PBMW-2-750-38	1	One: 750kcmil-2 *Two: 4/0-1/0	2	3/8	1.310 (33.3)	2.960 (75.2)	N/A	4.910 (124.7)	1.380 (35.1)	0.380 (9.7)	0.625 (15.9)	0.406 (10.3)	1/2
PBMW-4-750-38	2	One: 750kcmil-2 *Two: 4/0-1/0	4	3/8	2.620 (66.5)	2.960 (75.2)	1.250 (31.8)	4.910 (124.7)	1.380 (35.1)	0.380 (9.7)	0.625 (15.9)	0.406 (10.3)	1/2
PBMW-6-750-38	3	One: 750kcmil-2 *Two: 4/0-1/0	6	3/8	3.930 (99.8)	2.960 (75.2)	1.265 (32.1)	4.910 (124.7)	1.380 (35.1)	0.380 (9.7)	0.625 (15.9)	0.406 (10.3)	1/2
PBMW-2-750-12	4	One: 750kcmil-2 *Two: 250kcmil-1/0	2	1/2	1.310 (33.3)	3.000 (76.2)	N/A	5.687 (144.4)	1.750 (44.5)	0.625 (15.9)	0.750 (19.1)	0.562 (14.3)	1/2
PBMW-4-750-12	5	One: 750kcmil-2 *Two: 250kcmil-1/0	4	1/2	2.620 (66.5)	3.000 (76.2)	1.250 (31.8)	5.687 (144.4)	1.750 (44.5)	0.625 (15.9)	0.750 (19.1)	0.562 (14.3)	1/2
PBMW-6-750-12	6	One: 750kcmil-2 *Two: 250kcmil-1/0	6	1/2	3.930 (99.8)	3.000 (76.2)	1.265 (32.1)	5.687 (144.4)	1.750 (44.5)	0.625 (15.9)	0.750 (19.1)	0.562 (14.3)	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX® oxide inhibitor recommended for all aluminum terminations
Tested to UL486A/B, UL File E6207
* Parallel wires must be identical

Transformer Lug Kits
Dual Rated

RoHS Compliant | UL LISTED 453G | SA LR-29601

TYPE
TLK

Features
- Connectors manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Chamfered wire entry
- Suitable for use in circuits rated 35KV or less, p roper high voltage spacing and insulation techniques must be used
- Kit includes all required hardware
- Rated to 90˚ C

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation
- Application versatility

C

Catalog Number	XFMR KVA Size	Lugs in Kit	Bolts in Kit
TLK-1	15-371/2 1-Phase, 15-45 3-Phase	Eight TA-2, Four TA-250	Eight 1/4-20 x 3/4 Bolts, Eight 1/4-20 Flange Nuts
TLK-2	50-75 1-Phase, 75-112-1/2 3-Phase	Twelve TA-250	Eight 1/4-20 x 3/4 Bolts, Eight 1/4-20 x 1-3/4 Bolts and Sixteen 1/4-20 Flange Nuts
TLK-3	100-167 1-Phase, 150-300 3-Phase	Three TA-250 and Twenty-two TA-600	Three 1/4-20 x 3/4 Bolts, Three 1/4-20 nuts, Sixteen 3/8-16-2 Bolts, Sixteen 3/8-16 Flange Nuts, Sixteen 3/8 flat washer
TLK-4	500 3-Phase	Twenty-nine TA-600	Eighteen 3/8-16 x 2 Bolts and Eighteen 3/8-16 Flange Nuts

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Dimensional data for connectors see Type TA.
DE-OX Inhibitor is recommended for all aluminum terminations.

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Lay-In ClearTrax® Connectors

RoHS Compliant

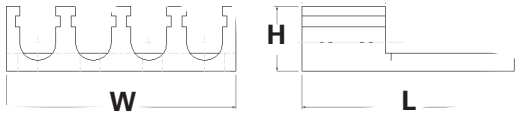
UL LISTED 453G

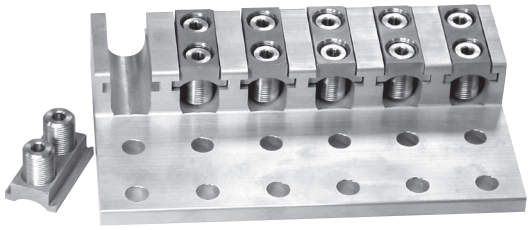
TYPE
USGL

Features
- Compact, lay-in design
- Manufactured from high strength 6061-T6 aluminum for strength and conductivity
- High strength aluminum 5/16" drive torque screw
- Clear plated coating
- Designed for installation on standard NEMA mounting holes
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- 1-3/4" NEMA spacing on mounting holes
- Rated to 90˚ C

Benefits
- Solves the problem of trying to bend larger size cables into place
- Dual rated for aluminum or copper conductors
- Enables range taking
- Provides low contact resistance
- Conforms to industry standards
- Application versatility
- Industry standard

C





Catalog Number	No. of Mtg. Holes	No. of Ports	Wire Range	Mounting Bolt Size	Dimensions			Hex Size
					Width	Length	Height	
USGL-350R21	2	1	350 kcmil-6	1/2	1.50	4.69	1.56	5/16
USGL-350R42	4	2	350 kcmil-6	1/2	2.75	4.69	1.56	5/16
USGL-350R43	4	3	350 kcmil-6	1/2	4.00	4.69	1.56	5/16
USGL-350R64	6	4	350 kcmil-6	1/2	5.25	4.69	1.56	5/16
USGL-350R86	8	6	350 kcmil-6	1/2	7.75	4.69	1.56	5/16
USGL-350R128	12	8	350 kcmil-6	1/2	10.25	4.69	1.56	5/16
USGL-600R21	2	1	600 kcmil-2	1/2	1.68	5.35	1.69	5/16
USGL-600R42	4	2	600 kcmil-2	1/2	3.08	5.35	1.69	5/16
USGL-600R63	6	3	600 kcmil-2	1/2	4.81	5.35	1.69	5/16
USGL-600R84	8	4	600 kcmil-2	1/2	6.45	5.35	1.69	5/16
USGL-600R106	10	6	600 kcmil-2	1/2	8.69	5.35	1.69	5/16
USGL-600R148	14	8	600 kcmil-2	1/2	11.70	5.35	1.69	5/16
USGL-750R21	2	1	750 kcmil-1/0	1/2	1.76	5.97	1.81	5/16
USGL-750R42	4	2	750 kcmil-1/0	1/2	3.31	5.97	1.81	5/16
USGL-750R63	6	3	750 kcmil-1/0	1/2	4.88	5.97	1.81	5/16
USGL-750R84	8	4	750 kcmil-1/0	1/2	6.45	5.97	1.81	5/16
USGL-750R126	12	6	750 kcmil-1/0	1/2	9.95	5.97	1.81	5/16
USGL-750R148	14	8	750 kcmil-1/0	1/2	12.30	5.97	1.81	5/16
USGL-1000R21	2	1	1000 kcmil-1/0	1/2	2.00	6.19	1.88	5/16
USGL-1000R22	2	2	1000 kcmil-1/0	1/2	3.68	6.19	1.88	5/16
USGL-1000R42	4	2	1000 kcmil-1/0	1/2	3.68	6.19	1.88	5/16
USGL-1000R63	6	3	1000 kcmil-1/0	1/2	5.37	6.19	1.88	5/16
USGL-1000R84	8	4	1000 kcmil-1/0	1/2	7.06	6.19	1.88	5/16
USGL-1000R126	12	6	1000 kcmil-1/0	1/2	10.44	6.19	1.88	5/16
USGL-1000R168	16	8	1000 kcmil-1/0	1/2	13.81	6.19	1.88	5/16

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Add T for tin plated, P for Pre-filled with De-Ox

Aluminum Splicer/Reducer
Dual Rated

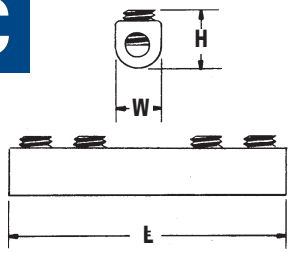
RoHS Compliant | UL LISTED 453G | SA LR-29601

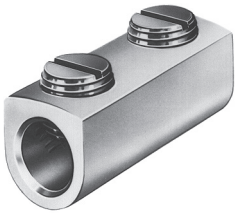
TYPE
SPA

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Chamfered wire entry
- Rounded bottoms
- Large screw diameters
- Wire stop in center
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90˚ C

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation
- Facilitates taping
- Ensures all wire strands are held securely
- Prevents dissimilar metals coming into contact
- Application versatility

C





Catalog Number	Wire Range	Dimensions			No. of Screws	Screw Diameter	Hex Size
		Width	Length	Height			
SPA-2	2-14	1-3/16	29/64	9/16	2	3/8	Slot
SPA-0	1/0-14	1-29/32	5/8	11/16	2	7/16	3/16
SPA-250	250kcmil-6	2-5/16	7/8	1	2	5/8	5/16
SPA-350	350kcmil-10	2-15/32	1	1-1/4	2	11/16	5/16
SPA-500	500kcmil-4	3-7/8	1-1/8	1-5/8	2	13/16	3/8
SPA-750	750kcmil-250kcmil	5-7/16	1-3/8	1-3/4	4	15/16	1/2
SPA-1000	1000kcmil-500kcmil	8-11/16	1-3/4	1-3/4	6	1-1/8	9/16

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.
Tested to UL 486A/B, UL File E6207

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Aluminum Box-Type Mechanical Lugs
Dual Rated

RoHS Compliant

LR-29601

TYPE
CA

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- UL Recognized for 75˚ C and CSA Certified
- Design includes bossed mounting holes
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Acts as an anti-rotation device and prevents connector from turning
- Application versatility

C

Fig. 1 & 2 Bottom View

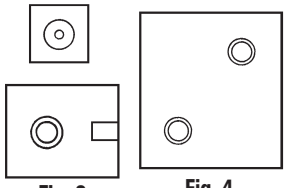


Fig. 3 **Fig. 4**

Bottom view (mounting configuration)

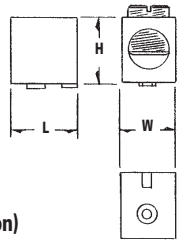


Fig. 1

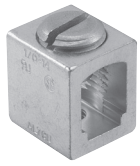


Fig. 2

Fig. 3

Fig. 4

Catalog Number	Figure Number	Wire Range	Dimensions			Style and Size of Boss	Flat Bottom	Bossed Hole Tapped	Two Mounting Holes Tapped	Hex Size
			L	W	H					
CA4SP	1	2-14 CU 2-12 AL	15/32	1/2	23/32	Sq. .229	-	10-32	-	Slot
CA4RP	1	2-14 CU 2-12 AL	15/32	1/2	23/32	Rd. .229	-	10-32	-	Slot
CA5SP	2	1/0-14 CU 1/0-12 AL	5/8	9/16	11/16	Sq. .229	-	10-32	-	Slot
CA5RP	2	1/0-14 CU 1/0-12 AL	5/8	9/16	11/16	Rd. .229	-	10-32	-	Slot
CA6RP	3	250kcmil-6	1	13/16	1	Rd. .285	-	1/4-20	-	5/16
CA7	4	500kcmil-1/0	1-3/8	1-15/64	1-13/32	-	YES	-	1/4-20	3/8
CA8	4	750kcmil-500kcmil	1-15/16	1-3/8	1-3/4	-	YES	-	5/16-18	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Oxide Inhibitor is recommended for all aluminum terminations.
Tested to UL 486A/B, UL File E6207

Parallel Tap Connectors
Dual Rated - Lay-In

RoHS Compliant

UL LISTED 453G

SA LR-29601

TYPE
GTA

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- UL Listed and CSA Certified for 600 volts, 90˚ C
- Compact design
- Range taking
- Re-usable
- Lay-in main conductor
- Insulating cover available

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Ensures reliability for copper or aluminum conductors
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- No need to break the feeder cable
- Eliminates taping

C

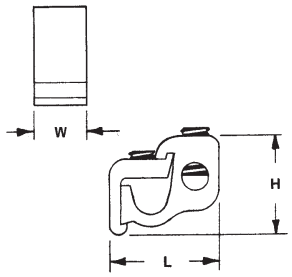


Fig. 1

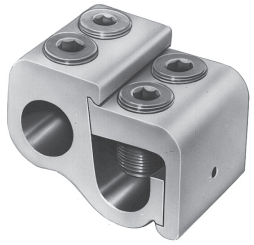
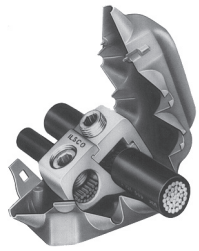


Fig. 2



Catalog Number	Figure Number	Wire Range		Dimensions			Hex Size	
		Main	Tap	L	W	H	Main	Tap
GTA-2-2	1	2-12 str	2-12 AL 2-14 CU	1-1/4	9/16	1	Slot	Slot
GTA-0-0	1	1/0-2	1/0-12 AL 1/0-14 CU	1-9/16	3/4	1-1/8	Slot	Slot
GTA-250-0	1	250kcmil-1/0	1/0-12 AL 1/0-14 CU	2	15/16	1-7/16	5/16	Slot
GTA-250-250	1	250kcmil-1/0	250kcmil-6	2-1/8	15/16	1-7/16	5/16	5/16
GTA-350-350	1	350kcmil-4/0	350kcmil-6	2-7/16	1	1-11/16	3/8	3/8
GTA-500-500	1	500kcmil-350kcmil	500kcmil-2	2-15/16	1-1/4	2	3/8	3/8
GTA-750-500	1	750kcmil-500kcmil	500kcmil-2	3-3/8	1-5/16	2-7/16	3/8	3/8
GTA-750-750	2	750kcmil-500kcmil	750kcmil-1/0	3-3/8	2-5/8	2-7/16	1/2	1/2
GTA-1000-500	1	1000kcmil-750kcmil	500kcmil-2	3-3/8	1-15/16	2-7/16	1/2	3/8

Note: If ordering with cover, add suffix W/C to catalog number.

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Insulating covers are available for most connector sizes.
See page 165 for additional information on covers
DE-OX Inhibitor is recommended for all aluminum terminations.
Tested to UL 486A/B, UL File E6207

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"T" Tap Connectors
Dual Rated - Lay-In

RoHS Compliant

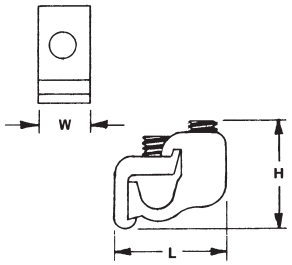
UL LISTED 453G

SA LR-29601

TYPE
GTT

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- UL Listed and CSA Certified for 600, 90˚ C
- Compact design
- Range taking
- Re-usable
- Lay-in main conductor
- Insulating cover available

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Ensures reliability for copper or aluminum conductors
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- No need to break the feeder cable
- Eliminates taping



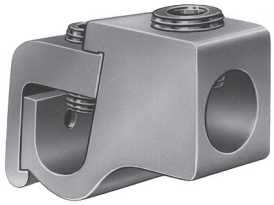


Fig. 1

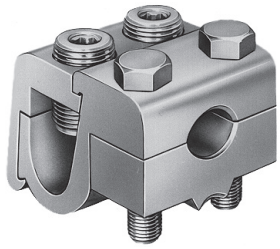
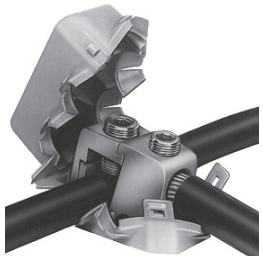


Fig. 2



C

Catalog Number	Figure Number	Wire Range		Dimensions			Hex Size	
		Main	Tap	L	W	H	Main	Tap
GTT-2-2	1	2-12 str	2-12 AL 2-14 CU	1-1/4	9/16	1	Slot	Slot
GTT-0-0	1	1/0-2	1/0-12 AL 1/0-14 CU	1-9/16	3/4	1-1/8	Slot	Slot
GTT-250-0	1	250kcmil-1/0	1/0-12 AL 1/0-14 CU	2	7/8	1-7/16	5/16	Slot
GTT-250-250	1	250kcmil-1/0	250kcmil-6	2-1/8	7/8	1-7/16	5/16	5/16
GTT-350-350	1	350kcmil-4/0	350kcmil-6	2-7/16	1	1-11/16	3/8	3/8
GTT-500-500	1	500kcmil-350kcmil	500kcmil-2	2-15/16	1-1/4	2	3/8	3/8
GTT-750-500	1	750kcmil-500kcmil	500kcmil-2	3-3/8	1-1/4	2-7/16	3/8	3/8
GTT-750-750	2	750kcmil-500kcmil	750kcmil-600kcmil	3-3/8	2-3/8	2-7/16	1/2	EH 3/4

Note: If ordering with cover, add suffix W/C to catalog number.

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
EH-External Hex
Insulating covers are available for most connector sizes.
See page 165 for additional information on covers
DE-OX Inhibitor is recommended for all aluminum terminations.

Tested to UL 486A/B, UL File E6207

Insulating Covers For GTA-GTT

RoHS Compliant

UL LISTED 453G

SA LR-29601

TYPE
GTC

Features
- Snap closure
- Color coded
- UL Listed and CSA Certified for 600 volts, 90° C except for GTPC-750-750 and GTTC-750-750

Benefits
- Installs quickly and saves labor time by eliminating taping
- Provides ease of identification in the field
- Ensures reliability

C

Fig. 1

Fig. 2

Fig. 3

Catalog Number	Figure Number	Color	Dimensions			Used with Connector
			L	W	H	
GTC-2	1	Black	2-1/4	1-13/16	1-1/4	GTA-2-2: GTT-2-2
GTC-0	1	Black	2-1/2	2-3/32	1-3/8	GTA-0-0: GTT-0-0
GTC-250-350	1	Black	3-61/64	3-1/32	2	GTA-250-0: GTA-250-250 GTA-350-350 GTT-250-0: GTT-250-250 GTT-350-350
GTC-500	1	Black	4-1/8	3-1/16	2-31/32	GTA-500-500 GTT-500-500
GTC-750-500	1	Black	4-7/8	3-1/8	2-23/32	GTA-750-500 GTT-750-500
GTPC-750-750*	2	Black	4-7/8	4	2-7/8	GTA-750-750
GTTC-750-750*	3	Black	5-3/4	4-1/4	3-1/16	GTT-750-750

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* Not UL Listed or CSA Certified
Tested to UL 486A/B, UL File E6207

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Multiple Tap Connector
Dual Rated - Lay-In

RoHS Compliant

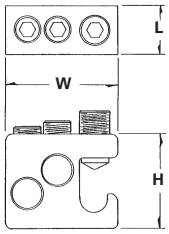
UL LISTED 453G

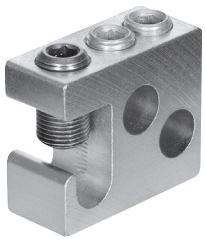
TYPE
GT2

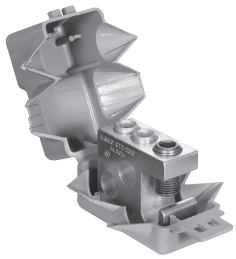
Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- UL Listed for 600 volts, 90˚ C
- Compact design
- Range taking
- Re-usable
- Lay-in main conductor
- Supplied with cover

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Ensures reliability for copper or aluminum conductors
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- No need to break the feeder cable
- Eliminates taping

C







Catalog Number	Wire Range Main & Tap	No. of Taps	Dimensions			Hex Size
			L	W	H	
GT2-250-W/C	250kcmil-2	2	31/32	2-9/32	1-15/16	5/16

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.
Tested to UL 486A/B, UL File E6207

Multiple Tap Connector
Dual Rated - Lay-In

RoHS Compliant

UL LISTED 453G

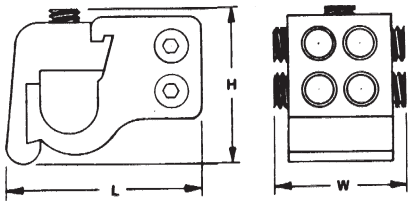
SA LR-29601

TYPE
GT4T

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- UL Listed and CSA Certified for 600 volts, 90˚ C
- Compact design
- Range taking
- Re-usable
- Lay-in main conductor
- Insulating cover available

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Ensures reliability for copper or aluminum conductors
- Can make up to four taps off a single main which saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- No need to break the feeder cable
- Eliminates taping

C



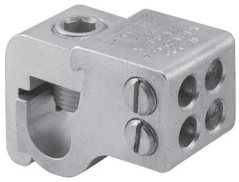


Fig. 1

Fig. 2

Catalog Number	Figure Number	Wire Range		No. of Taps	Dimensions			Hex Size	
		Main	Tap		L	W	H	Main	Tap
GT4T-250-2-1*	1	250kcmil-1/0	2-12 AL, 2-14 CU	4	2-3/16	1-1/8	1-35/64	5/16	Slot
GT4T-250-2-2*	2	250kcmil-1/0	2-12 AL, 2-14 CU	4	2-3/16	1-1/8	1-35/64	5/16	Slot
GT4T-350-2-1†	1	350kcmil-4/0	2-12 AL, 2-14 CU	4	2-17/32	1-1/8	1-17/32	3/8	Slot
GT4T-350-2-2*	2	350kcmil-4/0	2-12 AL, 2-14 CU	4	2-17/32	1-1/8	1-17/32	3/8	Slot
GT4T-500-2-1†	1	500kcmil-350kcmil	2-12 AL, 2-14 CU	4	2-31/32	1-1/4	1-11/16	3/8	Slot
GT4T-500-2-2†	2	500kcmil-350kcmil	2-12 AL, 2-14 CU	4	2-31/32	1-1/4	1-11/16	3/8	Slot
GT4T-500-0-1†	1	500kcmil-350kcmil	1/0-12 AL, 1/0-14 CU	4	2-31/32	1-1/4	1-11/16	3/8	Slot
GT4T-500-0-2†	2	500kcmil-350kcmil	1/0-12 AL, 1/0-14 CU	4	2-31/32	1-1/4	1-11/16	3/8	Slot

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* GTC-250-350 Cover can be used. See page 165.
† GTC-500 Cover can be used. See page 165.
DE-OX Inhibitor is recommended for all aluminum terminations.
Tested to UL 486A/B, UL File E6207

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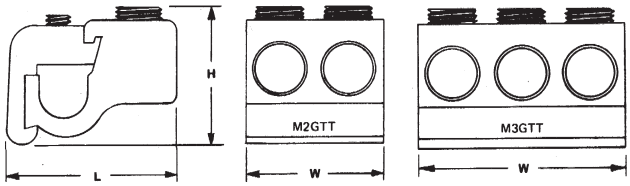
Multiple Tap Connector
Dual Rated - Lay-In

RoHS Compliant

TYPE
MGTT

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Dual-Rated
- Compact design
- Range taking
- Re-usable
- Lay-in main conductor

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Can be used with copper and/or aluminum conductors
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- No need to break the feeder cable



C

Catalog Number	Wire Range		No. of Tap Openings	Dimensions			Hex Size	
	Main	Tap		L	W	H	Main	Tap
M2GTT-250-250	250kcmil-1/0	250kcmil-6	2	2	1-3/4	1-5/8	5/16	5/16
M2GTT-350-350	350kcmil-4/0	350kcmil-6	2	2-1/4	2	1-11/16	5/16	5/16
M3GTT-350-350	350kcmil-4/0	350kcmil-6	3	2-1/4	3	1-11/16	5/16	5/16
M2GTT-500-500	500kcmil-350kcmil	500kcmil-2	2	2-3/4	2-3/8	1-13/16	3/8	3/8
M3GTT-500-500	500kcmil-350kcmil	500kcmil-2	3	2-3/4	3-1/2	1-13/16	3/8	3/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.

Multiple Tap Connector
Dual Rated

RoHS Compliant

UL LISTED 453G

SA LR-29601

TYPE
PTA

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- UL Listed and CSA Certified for 600 volts, 90˚ C
- Compact design
- Range taking
- Re-usable
- Lay-in main conductors
- Supplied with insulating cover

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Ensures reliability for copper or aluminum conductors
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- No need to break the feeder cables
- Eliminates taping

C

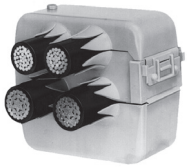


Fig. 1

Fig. 2

Fig. 3

Catalog Number	Figure Number	Wire Range		Dimensions			Hex Size	
		Main	Tap	H	W	D	Main	Tap
PTA2-500-500-W/C	1	Two: 500kcmil-250kcmil	Two: 500kcmil-4	3-15/16	3-1/2	1-1/4	3/8	3/8
PTA2-750-500-W/C	1	Two: 750kcmil-350kcmil	Two: 500kcmil-4	3-5/8	4-3/32	1-5/16	3/8	3/8
PTA4-750-500-W/C	2	Four: 750kcmil-350kcmil	Two: 500kcmil-4	5-7/8	4-3/32	1-5/16	3/8	3/8
PTA26-500-4/0*+	3	Two: 500kcmil-4/0	Four: 4/0-6 Two: 2-14	3-15/16	3-1/2	1-1/4	3/8	5/16 Slotted

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Note: W/C indicates product is supplied with insulating cover.
* Not CSA Certified.
+ Cover must be ordered separately. For non UL cover, order 1 each RO614WOOA and RO615WOOA.
DE-OX Inhibitor is recommended for all aluminum terminations.
Tested to UL 486A/B, UL File E6207

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Multi-Wire Tap and Splice
For Adding Branch Connections and Light Industrial Applications

c UL us LISTED 453G

TYPE
MAC

Features
- Retrofit aluminum to copper connections
- Widest conductor range in the Industry
- Set screw connections
- Dual rated
- IP20 touch safe protection
- Multiple conductor sizes per port
- Eliminates pigtails
- Accepts flex conductors
- Certified for power and grounding
- Connector rated to 90˚ C, 300 volts
- Insulated cover rated to 105˚ C
- Runs 35˚ F cooler than leading twist-on connectors
- Secureness strength 2.5 times higher than leading twist-ons

Benefits
- For AL to AL, AL to CU, and CU to CU conductor
- One connector satisfies the need for five twist-on connectors
- More secure and reliable than twist on connectors
- For copper or aluminum conductor
- Minimizes risk of electrical shock
- Can mix various sizes, e.g. 1 #18 & 1#12
- Up to 4 #14 AWG conductors per port
- For motors and commercial applications
- Application versatility
- Ensures reliability

C

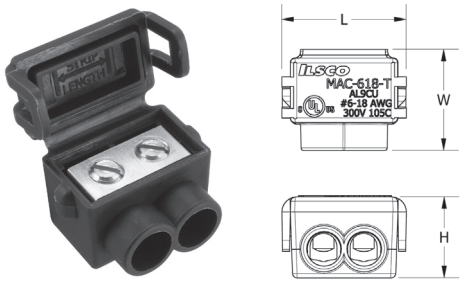

Fig. 1

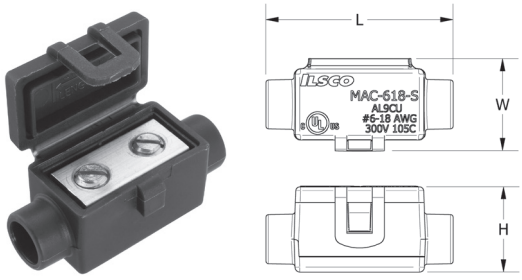

Fig. 2

Catalog Number	MAC Block					Overall Dimensions - in. (mm)		
	Color	Fig. Number	CU Conductor Range	AL Conductor Range	Flex Conductor Range	W	H	L
MAC-618-T-K	Black	1	#6-#18	#6-#12	#6-#14	0.84 (21.3)	0.689 (17.5)	1.04 (26.4)
MAC-618-S-K	Black	2	#6-#18	#6-#12	#6-#14	0.7 (17.8)	0.689 (17.5)	1.488 (37.8)

All wire sizes, unless noted otherwise, are American Wire Gauge
Dissimilar conductor materials cannot be used in the same port
Tested to UL 486A/B, UL File E6207
Tested to UL 467, UL File E6207

KUP-L-Tap®
Insulation Piercing Connectors
Dual Rated

RoHS Compliant | UL LISTED 453G | SA LR-29601

TYPE
IPC

Insul-Eater®

Features
- Body is molded from tough, resilient glass-filled nylon
- Compact design
- Tin plated copper contact teeth
- Insulation piercing
- Perforated end tabs
- Pre-filled with silicone lubricant
- Versatile
- Increased safety
- Horizontal line grid
- Temperature rating 90° C

Benefits
- Provides high degree of breakage resistance and long dependable use
- Saves space
- Easily penetrates most types of insulation
- No need to strip the conductor which saves installation time
- Break out easily by hand
- Prevents oxidation and moisture from entering the contact area
- Can be used as a splice or tap connector
- Contains no external energized parts. Can be installed "hot" on energized conductors providing tap conductor is not under load.
- Provides a visual guide for proper installation of conductors

C

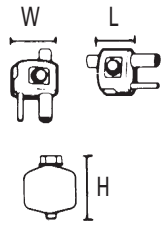

Fig. 1

Fig. 2

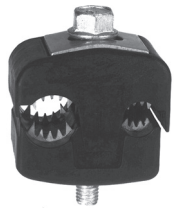
Fig. 3

Fig. 4

Catalog Number	Fig. No.	Wire Range		Volts	Current Rating		Dimensions			Torque Ft. Lbs.	Bolt Head Size
		Main	Tap		CU	AL	L	W	H		
IPC-1/0-2	3	1/0-8	2-8	300 (480 Grounded Y System)	130	100	1-7/32	1-15/32	2-5/16	16	1/2
IPC-4/0-6	2	4/0-4	6-14	600	75	60	1-27/64	1	1-7/8	13	1/2
IPC-4/0-2/0	3	4/0-2	2/0-6	600	195	150	1-21/32	1-7/8	2-7/8	25	1/2
IPC-250-4/0	2	250kcmil-1	4/0-6	600	260	205	1-7/8	2-11/32	3-11/32	30	5/8
IPC-350-4/0	3	350kcmil-4/0	4/0-10	300 (480 Grounded Y System)	260	205	1-43/64	2-7/16	3-1/8	25	5/8
IPC-350-350	4	350kcmil-4/0	350kcmil-4/0	300 (480 Grounded Y System)	350	280	2-43/64	2-23/32	3-1/4	25	5/8
IPC-500-12	1	500kcmil-250kcmil	10-12	300 (480 Grounded Y System)	40	35	1-43/64	2-7/16	3-1/4	25	5/8
IPC-500-250	1	500kcmil-250kcmil	250kcmil-4	600	290	230	2-27/64	2-29/32	3-3/4	55	5/8-11/16
IPC-500-500	1	500kcmil-300kcmil	500kcmil-250kcmil	600	430	350	3-3/16	3-5/8	5	75	7/8-7/8
IPC-750-500	1	750kcmil-500kcmil	500kcmil-350kcmil	600	430	350	3-3/16	3-5/8	5	75	7/8-7/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 486A/B, UL File E6207

Not for use with cloth insulated conductor type TCCW

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Dual Rated Ground Clamp

RoHS Compliant

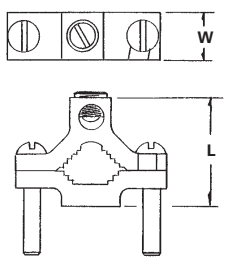
UL LISTED 667P

TYPE
SGC

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Clear plated
- Versatile
- Range taking
- SGC Lay-In feature

Benefits
- Suitable for use with either copper or aluminum
- conductors
- Provides low contact resistance
- Effectively grounds aluminum or copper conductors to copper water pipe, galvanized pipe or steel conduit
- Three sizes cover a range from 1/2" to 4" pipe with a ground wire range of 250 kcmil - #14 which reduces inventory
- Provides ease of installation for long ground wire runs

C



Catalog Number	Pipe Size	Ground Wire Range	Screw Type	Dimensions		Hex Size
				L	W	
SGC-1/0*	1/2-3/4-1"	1/0-14	Slot	2-1/4	11/16	Slot

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.
* Typical application would be grounding computer floor room system.
UL File E34440

Ground Lug
Lay-In - Dual Rated

RoHS Compliant

UL LISTED 667P

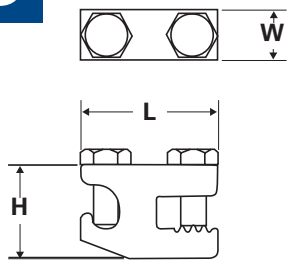
SA LR-29601

TYPE
SGB

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Lay-in feature
- Exclusive Viritium® plating
- Green color universal to identify ground
- Serrations in conductor wire way
- Unique clamp design
- 1/4" max frame thickness (SGB-4, SGB-5)
- Meets ASTM B117-09

Benefits
- Suitable for use with copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation
- Resists galvanic corrosion
- Aids visual inspection
- Cuts oxidation
- No mounting hardware required, reusable
- Mount to solar panel frames
- Resistance to outdoor salt spray

C



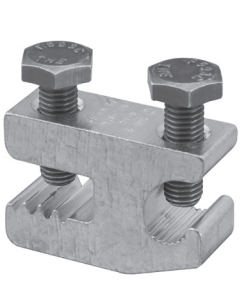


Fig. 1

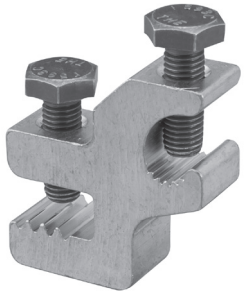


Fig. 2

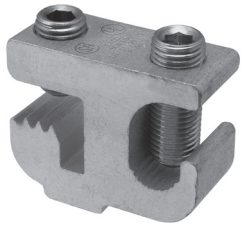


Fig. 3

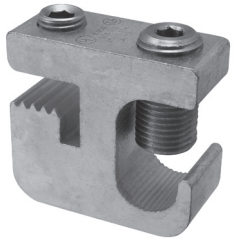


Fig. 4

Catalog Number	Figure Number	Ground Wire Range	Dimensions - in. (mm) L	W	H	Hex Size
SGB-4+	1	4 sol/str-14 sol/str	1.375 (34.9)	0.500 (12.7)	0.941 (23.9)	7/16
SGB-5+	2	4 sol/str-14 sol/str	1.375 (34.9)	0.500 (12.7)	1.440 (36.6)	7/16
SGB-1/0	3	1/0 sol/str-14 sol/str	1.508 (38.3)	0.625 (15.9)	1.241 (31.5)	3/16
SGB-250	4	250kcmil-6	1.810 (46.0)	0.750 (19.1)	1.703 (43.3)	3/16

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL 467 for grounding and bonding. UL File E34440
+ UL2703 Recognized E354420 Vol. 1
DE-OX® oxide inhibitor is recommended for all aluminum terminations
Patented

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PermaGround™
Ground Clamp Connectors
Double Wire, One Bolt

LISTED 8M24

TYPE
GH
GHS

Features
- Manufactured from copper alloy
- Furnished with silicon bronze bolt, nut, and lock washer
- Mountable for surfaces up to 1/4" thick
- UL 467 Listed for grounding and bonding up to 250kcmil

Benefits
- Provides maximum conductivity
- For clamping conductors to flat surfaces
- Fits standard grounding bus bar and various flat plate metal surfaces
- Suitable for direct burial in earth or concrete
-

C

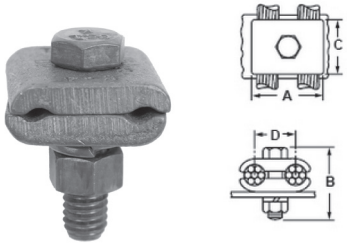

Fig. 1

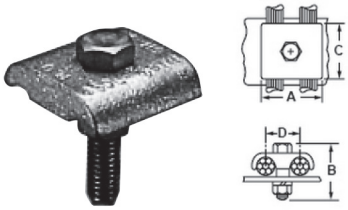

Fig. 2

Catalog Number	Figure Number	Wire Range	Dimensions - in. (mm)				Bolt Size
			A	B	C	D	
GH-1*	1	4str-8sol	1.250 (31.8)	1.500 (38.1)	1.375 (34.9)	0.750 (19.1)	3/8
GH-2*	1	2/0str-4sol	1.500 (38.1)	2.000 (50.8)	1.625 (41.3)	1.000 (25.4)	3/8
GH-3*	1	250kcmil-2/0sol	2.000 (50.8)	2.250 (57.2)	1.750 (44.5)	1.250 (31.8)	1/2
GH-4	1	500kcmil-300kcmil	2.500 (63.5)	2.875 (73.0)	2.000 (50.8)	1.500 (38.1)	1/2
GH-5	1	750kcmil-500kcmil	3.250 (82.6)	3.375 (85.7)	2.375 (60.3)	1.750 (44.5)	5/8
GH-6	1	1000kcmil-750kcmil	3.625 (92.1)	3.750 (95.3)	2.500 (63.5)	2.000 (50.8)	5/8
GHS-1*	2	4str-8sol	1.250 (31.8)	1.375 (34.9)	1.375 (34.9)	0.750 (19.1)	3/8
GHS-2*	2	2/0str-4sol	1.500 (38.1)	1.500 (38.1)	1.625 (41.3)	1.000 (25.4)	3/8
GHS-3*	2	250kcmil-2/0sol	2.000 (50.8)	1.875 (47.6)	1.750 (44.5)	1.250 (31.8)	1/2
GHS-4	2	500kcmil-300kcmil	2.500 (63.5)	2.375 (60.3)	2.000 (50.8)	1.500 (38.1)	1/2
GHS-5	2	750kcmil-500kcmil	3.250 (82.6)	2.750 (69.9)	2.375 (60.3)	1.750 (44.5)	5/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*UL File E158587

PermaGround™
Ground Clamp Connectors
Double Wire, Two Bolts

LISTED 8M24

TYPE
GJ
GJS

Features
- Manufactured from copper alloy
- Furnished with silicon bronze bolt, nut, and lock washer
- Mountable for surfaces up to 1/4" thick
- UL 467 Listed for grounding and bonding up to 250kcmil

Benefits
- Provides maximum conductivity
- For clamping parallel conductors to flat surfaces
- Fits standard grounding bus bar and various
- flat plate metal surfaces
- Suitable for direct burial in earth or concrete

C

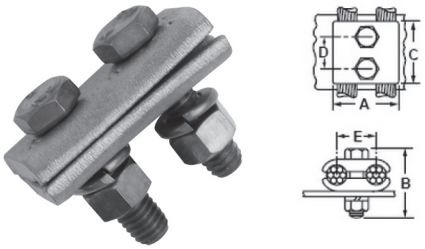

Fig. 1

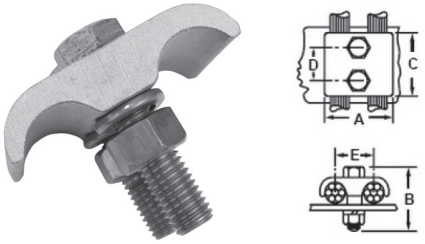

Fig. 2

Catalog Number	Figure Number	Wire Range	Dimensions - in. (mm) A	B	C	D	E	Bolt Size
GJ-1*	1	4str-8sol	1.250 (31.8)	1.500 (38.1)	2.000 (50.8)	0.938 (23.8)	0.750 (19.1)	3/8
GJ-3*	1	250kcmil-2/0sol	2.000 (50.8)	2.250 (57.2)	2.500 (63.5)	1.313 (33.3)	1.313 (33.3)	1/2
GJS-6	2	1000kcmil-750kcmil	3.625 (92.1)	2.875 (73.0)	3.000 (76.2)	1.563 (39.7)	2.000 (50.8)	5/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*UL File E158587

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PermaGround™
Ground Clamp Connectors
Single Wire

TYPE
GM
GMS
GWL

Features
- Manufactured from copper alloy
- Furnished with silicon bronze bolt, nut, and lock washer
- Mountable for surfaces up to 1/4" thick
- UL 467 Listed for grounding and bonding up to 250kcmil as well as UL 486 A/B

Benefits
- Provides maximum conductivity
- For clamping conductors to flat surfaces
- Fits standard grounding bus bar and various flat plate metal surfaces
- Suitable for direct burial in earth or concrete

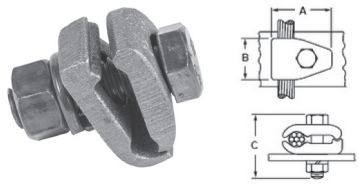


Fig. 1

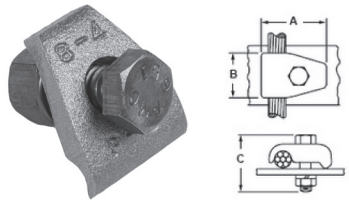


Fig. 2

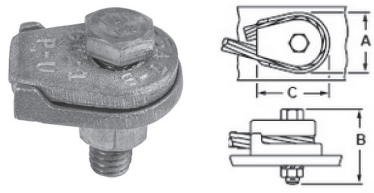


Fig. 3

C

Catalog Number	Figure Number	Wire Range	Dimensions - in. (mm) A	B	C	Bolt Size
GM-1	1	4str-8sol	1.250 (31.8)	1.000 (25.4)	1.625 (41.3)	3/8
GM-2	1	2/0str-4sol	1.625 (41.3)	1.125 (28.6)	1.750 (44.5)	3/8
GM-3	1	250kcmil-2/0sol	2.125 (54.0)	1.500 (38.1)	2.000 (50.8)	1/2
GM-4*	1	500kcmil-300kcmil	2.375 (60.3)	1.625 (41.3)	2.500 (63.5)	1/2
GM-5*	1	750kcmil-500kcmil	3.000 (76.2)	1.750 (44.5)	3.000 (76.2)	5/8
GM-6*	1	1000kcmil-750kcmil	3.500 (88.9)	1.875 (47.6)	3.125 (79.4)	5/8
GMS-1	2	4str-8sol	1.250 (31.8)	1.000 (25.4)	1.625 (41.3)	3/8
GMS-2	2	2/0str-4sol	1.625 (41.3)	1.125 (28.6)	1.750 (44.5)	3/8
GMS-3	2	250kcmil-2/0sol	2.125 (54.0)	1.500 (38.1)	2.000 (50.8)	1/2
GMS-4*	2	500kcmil-300kcmil	2.375 (60.3)	1.625 (41.3)	2.500 (63.5)	1/2
GMS-5*	2	750kcmil-500kcmil	3.000 (76.2)	1.750 (44.5)	3.000 (76.2)	5/8
GMS-6*	2	1000kcmil-750kcmil	3.500 (88.9)	1.875 (47.6)	3.125 (79.4)	5/8
GWL-1	3	4str-8sol	1.125 (28.6)	1.500 (38.1)	1.375 (34.9)	3/8
GWL-2	3	4str-8sol	1.750 (44.5)	1.750 (44.5)	1.875 (47.6)	1/2
GWL-3	3	2/0str-3str	1.688 (42.9)	2.000 (50.8)	1.875 (47.6)	3/8
GWL-4	3	2/0str-3str	1.813 (46.0)	2.125 (54.0)	1.875 (47.6)	1/2
GWL-5	3	250kcmil-3/0str	2.250 (57.2)	2.250 (57.2)	2.375 (60.3)	3/8
GWL-6	3	250kcmil-3/0str	2.250 (57.2)	2.375 (60.3)	2.375 (60.3)	1/2
GWL-7	3	250kcmil-3/0str	2.250 (57.2)	2.500 (63.5)	2.375 (60.3)	5/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*UL File E158587

PermaGround™
Ground Clamp Connectors
Two Parallel Cables of Wires to Pipe or Rod

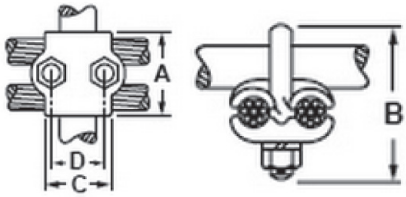
LISTED 8M24

TYPE
GT

Features
- Manufactured from copper alloy
- Furnished with silicon bronze nut, and lock washer
- UL 467 Listed for grounding and bonding up to 250kcmil

Benefits
- Provides maximum conductivity
- For clamping parallel cable and wires to pipe or rod in perpendicular orientation
- Suitable for direct burial in earth or concrete

C



Catalog Number	Accommodates		Wire Range	Dimensions - in. (mm)				Bolt Size
	Rod	Iron Pipe Size		A	B	C	D	
GT-1*	1/2	1/4	4str-8sol	1.625 (41.3)	2.000 (50.8)	1.625 (41.3)	1.000 (25.4)	3/8
GT-3*	1/2	1/4	250kcmil-2/0sol	2.500 (63.5)	2.250 (57.2)	1.875 (47.6)	1.000 (25.4)	3/8
GT-4*	5/8 or 3/4	3/8	4str-8sol	1.625 (41.3)	2.125 (54.0)	1.625 (41.3)	1.125 (28.6)	3/8
GT-5*	5/8 or 3/4	3/8	2/0str-4sol	2.000 (50.8)	2.500 (63.5)	1.750 (44.5)	1.125 (28.6)	3/8
GT-6*	5/8 or 3/4	3/8	250kcmil-2/0sol	2.500 (63.5)	2.625 (66.7)	1.875 (47.6)	1.125 (28.6)	3/8
GT-7	5/8 or 3/4	3/8	500kcmil-300kcmil	2.750 (69.9)	2.750 (69.9)	2.000 (50.8)	1.125 (28.6)	3/8
GT-8*	7/8 or 1	1/2 or 3/4	4str-8sol	1.625 (41.3)	2.500 (63.5)	1.625 (41.3)	1.500 (38.1)	3/8
GT-9*	7/8 or 1	1/2 or 3/4	2/0str-4sol	2.000 (50.8)	2.750 (69.9)	1.750 (44.5)	1.500 (38.1)	3/8
GT-10*	7/8 or 1	1/2 or 3/4	250kcmil-2/0sol	2.500 (63.5)	2.875 (73.0)	1.875 (47.6)	1.500 (38.1)	3/8
GT-13*	-	1	4str-8sol	1.625 (41.3)	2.750 (69.9)	1.625 (41.3)	1.750 (44.5)	3/8
GT-14*	-	1	2/0str-4sol	2.000 (50.8)	3.000 (76.2)	1.750 (44.5)	1.750 (44.5)	3/8
GT-15*	-	1	250kcmil-2/0sol	2.500 (63.5)	3.875 (98.4)	3.125 (79.4)	1.750 (44.5)	3/8
GT-18*	-	1 1/4	4str-8sol	1.625 (41.3)	3.000 (76.2)	1.875 (47.6)	2.063 (52.4)	3/8
GT-19*	-	1 1/4	2/0str-4sol	2.000 (50.8)	3.250 (82.6)	2.000 (50.8)	2.063 (52.4)	3/8
GT-20*	-	1 1/4	250kcmil-2/0sol	2.500 (63.5)	3.500 (88.9)	2.125 (54.0)	2.063 (52.4)	3/8
GT-25*	-	1 1/2	2/0str-4sol	2.000 (50.8)	3.500 (88.9)	2.375 (60.3)	2.375 (60.3)	3/8
GT-26*	-	1 1/2	250kcmil-2/0sol	2.500 (63.5)	3.875 (98.4)	2.500 (63.5)	2.375 (60.3)	3/8
GT-30*	-	2	4str-8sol	1.750 (44.5)	3.875 (98.4)	2.750 (69.9)	2.813 (71.4)	3/8
GT-31*	-	2	2/0str-4sol	2.000 (50.8)	4.125 (104.8)	2.875 (73.0)	2.813 (71.4)	3/8
GT-32*	-	2	250kcmil-2/0sol	2.625 (66.7)	4.250 (108.0)	3.000 (76.2)	2.813 (71.4)	3/8
GT-37*	-	2 1/2	2/0str-4sol	2.000 (50.8)	4.500 (114.3)	3.375 (85.7)	3.313 (84.1)	3/8
GT-38*	-	2 1/2	250kcmil-2/0sol	2.625 (66.7)	4.750 (120.7)	3.500 (88.9)	3.313 (84.1)	3/8
GT-43*	-	3	2/0str-4sol	2.000 (50.8)	5.250 (133.4)	3.750 (95.3)	3.938 (100.0)	3/8
GT-44*	-	3	250kcmil-2/0sol	2.625 (66.7)	5.500 (139.7)	3.750 (95.3)	3.938 (100.0)	3/8
GT-49*	-	3 1/2	2/0str-4sol	2.000 (50.8)	5.875 (149.2)	3.875 (98.4)	4.438 (112.7)	3/8
GT-50*	-	3 1/2	250kcmil-2/0sol	2.625 (66.7)	6.125 (155.6)	4.000 (101.6)	4.438 (112.7)	3/8
GT-55*	-	4	250kcmil-2/0sol	2.625 (66.7)	6.500 (165.1)	4.750 (120.7)	4.938 (125.4)	3/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*UL File E158587

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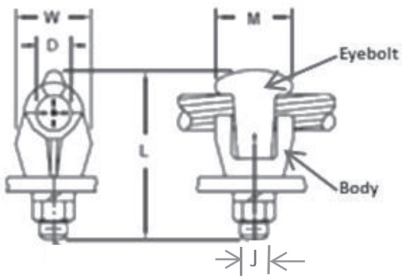
PermaGround™
Eye-Bolt Terminal

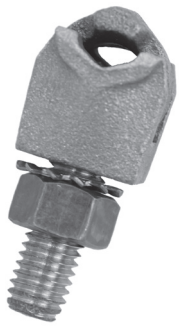
TYPE
LS
LSN

Features
- Body is manufactured from copper alloy
- Eye-bolts are made from an aluminum bronze alloy
- Available in two mounting surface thickness ranges

Benefits
- Provides maximum conductivity
- Offers maximum strength
- Mountable to flat studs or spades on equipment as well as grounding conductor to steel substation structures

C





Catalog Number	Wire Range	Dimensions - in. (mm)					
		D	L	M	W	J	Hex
LSN-2/0N*	2/0str-8sol	0.438 (11.1)	2.375 (60.3)	1.375 (34.9)	1.000 (25.4)	1/2	3/4
LSN-025N*	250kcmil-6sol	0.625 (15.9)	2.563 (65.1)	1.250 (31.8)	1.063 (27.0)	1/2	3/4
LSN-035N*	350kcmil-2sol	0.813 (20.6)	3.063 (77.8)	1.250 (31.8)	1.313 (33.3)	1/2	3/4
LS-C1E+	1str-10sol	0.344 (8.73)	2.375 (60.3)	1.063 (27.0)	0.875 (22.2)	3/8	9/16
LSN-025NE+	250kcmil-6sol	0.625 (15.88)	3.063 (77.8)	1.250 (31.8)	1.063 (27.0)	1/2	3/4
LSN-035NE+	350kcmil-2sol	0.813 (20.64)	3.313 (84.1)	1.250 (31.8)	1.313 (33.3)	1/2	3/4
LSN-100NE+	1000kcmil-2/0sol	1.250 (31.75)	4.500 (114.3)	1.719 (43.7)	1.688 (42.9)	1/2	3/4

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
"N" in prefix qualifies terminal for mounting on NEMA pads
"N" in suffix qualifies eye-bolt opening to NEMA
*Up to a 1/4" mounting surface
+1/4" to 3/4" mounting surface

Aluminum Multi-Tap Connectors
Dual Rated

RoHS Compliant

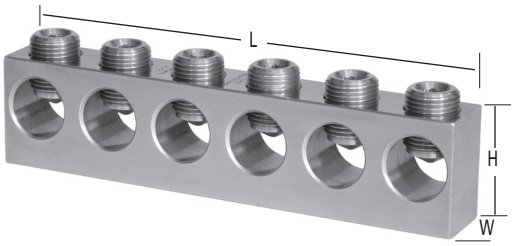
UL LISTED 453G

TYPE
PED-Z

Features
- Available in two, four, six, or eight
- conductor configurations in four wire ranges
- • Manufactured from high strength 6061-T6
- aluminum alloy
- Compact size
- Rated for 600 volts, 90˚ C

Benefits
- Provides multiple conductor installation for a wide range of conductors
- Suitable for use with either copper or aluminum conductors
- Suitable for pedestal applications

C



Catalog Number	Connector Design	Number of Ports	Wire Range	Dimensions			Hex Size
				A	B	E	
PED-2-2/0-Z		2	2/0-14	2.09	.56	.73	3/16
PED-4-2/0-Z		4	2/0-14	3.78	.56	.73	3/16
PED-6-2/0-Z		6	2/0-14	5.46	.56	.73	3/16
PED-8-2/0-Z		8	2/0-14	7.15	.56	.73	3/16
PED-2-4/0-Z		2	4/0-6	1.78	.75	1.00	5/16
PED-4-4/0-Z		4	4/0-6	3.64	.75	1.00	5/16
PED-6-4/0-Z		6	4/0-6	5.50	.75	1.00	5/16
PED-8-4/0-Z		8	4/0-6	7.36	.75	1.00	5/16
PED-2-350-Z		2	350kcmil-6	2.22	1.00	1.25	5/16
PED-4-350-Z		4	350kcmil-6	4.53	1.00	1.25	5/16
PED-6-350-Z		6	350kcmil-6	6.84	1.00	1.25	5/16
PED-8-350-Z		8	350kcmil-6	9.15	1.00	1.25	5/16
PED-2-600-Z		2	600kcmil-4	2.47	1.25	1.63	3/8
PED-4-600-Z		4	600kcmil-4	5.03	1.25	1.63	3/8
PED-6-600-Z		6	600kcmil-4	7.59	1.25	1.63	3/8
PED-8-600-Z		8	600kcmil-4	10.16	1.25	1.63	3/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Covers not available. DE-OX Inhibitor is recommended for all aluminum terminations.

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Aluminum Multi-Tap Connectors
Dual Rated

RoHS Compliant

TYPE
PED-X
PSA-Z
PEC

Features
- Available in four, six, or eight conductor configurations in four wire ranges
- Plastisol insulating cover available with a nominal thickness of 156 Mils
- Manufactured from high strength 6061-T6 aluminum alloy
- Compact size

Benefits
- Provides multiple conductor installation for a wide range of conductors
- Eliminates the need for taping. Plastisol covers have dielectric strength of 120 volts per Mil
- Suitable for use with either copper or aluminum conductors
- Suitable for pedestal applications

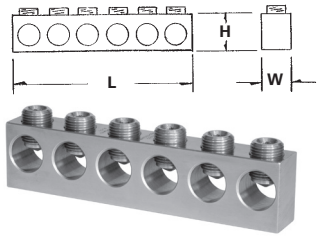


Fig. 1

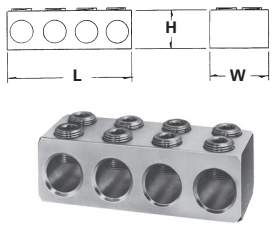


Fig. 2

C

Catalog Number	Figure Number	Wire Range	No. of Conductors	Dimensions - in. (mm)			Hex Size	Recommended Torque	Bolt Size
				L	W	H			
PED-4-350-X	1	350kcmil-10	4	3-7/8	1	1-3/8	5/16	350	PEC-4-350
PED-6-350-X	1	350kcmil-10	6	5-11/16	1	1-3/8	5/16	350	PEC-6-350
PED-8-350-X	1	350kcmil-10	8	7-1/2	1	1-3/8	5/16	350	PEC-8-350
PED-4-500-X	1	500kcmil-10	4	4-3/4	1	1-5/8	5/16	450	PEC-4-500
PED-6-500-X	1	500kcmil-10	6	7-1/4	1	1-5/8	5/16	450	PEC-6-500
PED-8-500-X	1	500kcmil-10	8	9-11/16	1	1-5/8	5/16	450	PEC-8-500
PSA-4-750-Z	2	750kcmil-1/0	4	6-9/16	2	2-1/2	3/8	500	PSC-4-750
PSA-6-750-Z	2	750kcmil-1/0	6	9-7/8	2	2-1/2	3/8	500	PSC-6-750
PSA-8-750-Z	2	750kcmil-1/0	8	13-3/16	2	2-1/2	3/8	500	PSC-8-750

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.

Aluminum Spade Type Transformer Lugs
Dual Rated

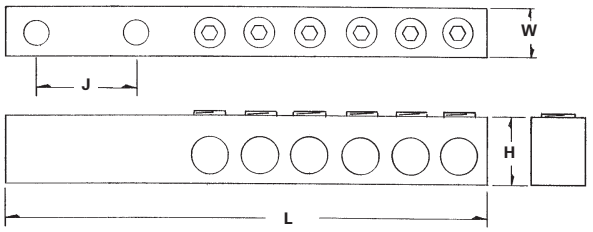
RoHS Compliant

TYPE
PET

Features
- Available in four, six, or eight conductor configurations in four wire ranges
- Predrilled 1/2" mounting holes
- Manufactured from high strength 6061-T6 aluminum alloy
-

Benefits
- Provides multiple conductor installation for a wide range of conductors
- Allows easy attachment. May be bolted back to back for heavy duty applications
- Suitable for use with either copper or aluminum
- conductors

C



Catalog Number	Wire Range	No. of Conductors	Bolt Size	Diameter of Mounting Hole	Dimensions				Hex Size	Recommended Torque-Inch Lbs.
					H	J	W	L		
PET-4-350-Z	350kcmil-10	4	1/2	9/16	1-3/8	1-3/4	1	6-7/8	5/16	350
PET-6-350-Z	350kcmil-10	6	1/2	9/16	1-3/8	1-3/4	1	8-11/16	5/16	350
PET-8-350-Z	350kcmil-10	8	1/2	9/16	1-3/8	1-3/4	1	10-1/2	5/16	350
PET-4-500-Z	500kcmil-2	4	1/2	9/16	1-5/8	1-3/4	1	7-15/16	5/16	450
PET-6-500-Z	500kcmil-2	6	1/2	9/16	1-1/8	1-3/4	1	10-3/16	5/16	450
PET-8-500-Z	500kcmil-2	8	1/2	9/16	1-5/8	1-3/4	1	12-7/16	5/16	450
PET-4-750-Z	750kcmil-1/0	4	1/2	9/16	1-3/4	1-3/4	1-3/16	8-11/16	3/8	500
PET-6-750-Z	750kcmil-1/0	6	1/2	9/16	1-3/4	1-3/4	1-3/16	11-15/16	3/8	500
PET-8-750-Z	750kcmil-1/0	8	1/2	9/16	1-3/4	1-3/4	1-3/16	13-15/16	3/8	500

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.

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Aluminum Multi-Tap Adaptor Lugs
Dual Rated - (Pole Type Transformer Lugs)

RoHS Compliant

TYPE
PTT

Features
- Connector manufactured from high strength 6061-T6 aluminum alloy
- Stud manufactured from electrolytic pure copper rod
- Two conductor ports
- Range taking
- Left or Right handed
- Clear Plated

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides maximum conductivity and can be used on equipment with copper or aluminum connectors
- Allows parallel conductors to be connected to pole type transformers
- A wide range of conductor sizes can be used in each connector
- Provides ease of installation
- Provides low contact resistance

C

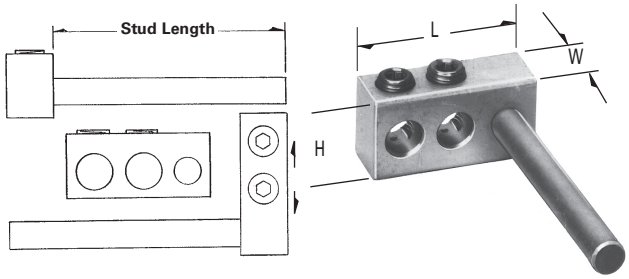


Fig. 1

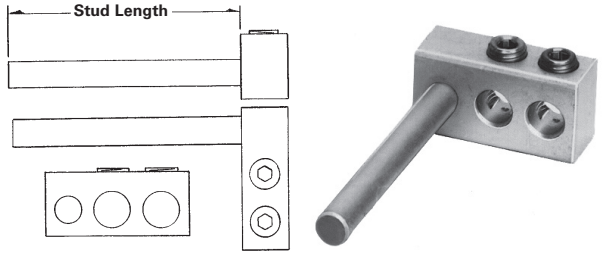


Fig. 2

Catalog Number	Figure Number	Wire Range	No. of Conductors	Copper Stud Diameter	Stud Length	Hex Size	Dimensions - in. (mm)			Recommended Torque-Inch Lbs.
							L	W	H	
PTT-2R-0-Z	1	1/0-14	2	3/8	3"	3/16	1.87	.75	1.00	200
PTT-2L-0-Z	2	1/0-14	2	3/8	3"	3/16	1.87	.75	1.00	200
PTT-2R-250-Z	1	250kcmil-10	2	1/2	4"	5/16	2.39	.90	1.12	300
PTT-2L-250-Z	2	250kcmil-10	2	1/2	4"	5/16	2.39	.90	1.12	300
PTT-2R-350-Z	1	350kcmil-10	2	5/8	4"	5/16	3.25	1.25	1.25	350
PTT-2L-350-Z	2	350kcmil-10	2	5/8	4"	5/16	3.25	1.25	1.25	350

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.

Aluminum Neutral Bars
Dual Rated

RoHS Compliant

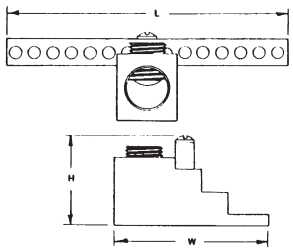
LR-29601

TYPE
NB

Features
- Preassembled, stacked neutral bars
- Available with phenolic base
- Electro-tin plated
- Fabricated from high strength 6061-T6 aluminum alloy

Benefits
- Compact, space saving design offers multiple range taking flexibility and is suitable for grounding applications
- Provides insulation from mounting surface
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors

C



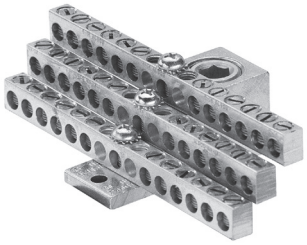


Fig. 1

Fig. 2

Catalog Number	Fig. No.	Number of Circuit Taps	Wire Range		Dimensions			Two Tapped Mounting Holes	Hex Size	
			Circuit Taps	Line Loads	Approx. Height with Max. Wire	L	W		Main	Tap
NB-350-12	1	12	14-4	350kcmil-6	1-17/32	4-23/32	2-17/32	10-32	3/8	Slot
NB-350-12-W/R16*	2	12	14-4	350kcmil-6	2-17/32	4-23/32	2-17/32	10-32	3/8	Slot
NB-350-24	1	24	14-4	350kcmil-6	1-17/32	4-23/32	2-17/32	10-32	3/8	Slot
NB-350-24-W/R16*	2	24	14-4	350kcmil-6	2-17/32	4-23/32	2-17/32	10-32	3/8	Slot
NB-350-30	1	30	14-4	350kcmil-6	1-17/32	4-3/32	2-17/32	10-32	3/8	Slot
NB-350-30-W/R16*	2	30	14-4	350kcmil-6	2-17/32	4-3/32	2-17/32	10-32	3/8	Slot
NB-350-36	1	36	14-4	350kcmil-6	1-17/32	4-23/32	2-17/32	10-32	3/8	Slot
NB-350-36-W/R16*	2	36	14-4	350kcmil-6	2-17/32	4-23/32	2-17/32	10-32	3/8	Slot
NB-350-42	1	42	14-4	350kcmil-6	1-17/32	5-11/32	2-17/32	10-32	3/8	Slot
NB-350-42-W/R16*	2	42	14-4	350kcmil-6	2-17/32	5-11/32	2-17/32	10-32	3/8	Slot

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* Part includes phenolic mounting block R-16
Tested to UL 486A/B, UL File E6207

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Aluminum Neutral Bars
Dual Rated
Conductor Range: #4-#14

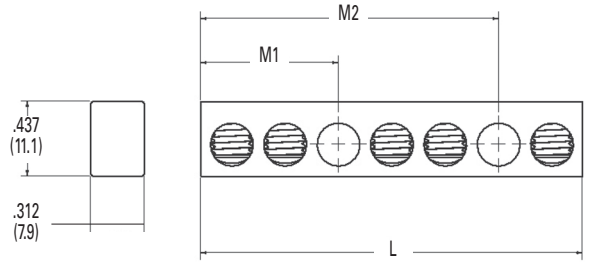
RoHS Compliant

LR-29601

TYPE
NBAS

Features
- Manufactured from high strength aluminum alloy
- Electro-tin plated
- Dual rated
- Assemblies available with 2-231 circuits
- UL Recognized for grounding and power, and CSA Certified

Benefits
- Provides maximum conductivity
- Low contact resistance
- Use with both copper and aluminum conductors
- Application versatility
- Ensures reliability



C

Catalog Number	Number of Circuits	Mounting Hole Locations[1] in. (mm) M1		M2		Screw Type	Configuration	Dimensions - in. (mm) L	
NBAS-002-1-A	2	0.492	(12.5)	–	–	A	●○●	0.984	(25.0)
NBAS-002-1-B	2	0.492	(12.5)	–	–	B	●○●	0.984	(25.0)
NBAS-003-1-A	3	0.804	(20.4)	–	–	A	●●○●	1.296	(32.9)
NBAS-003-1-B	3	0.804	(20.4)	–	–	B	●●○●	1.296	(32.9)
NBAS-004-1-B	4	0.804	(20.4)	–	–	B	●●○●●	1.608	(40.8)
NBAS-004-2-B	4	0.180	(4.6)	1.740	(44.2)	B	○●●●●○	1.920	(48.8)
NBAS-006-1-B	6	1.116	(28.3)	–	–	B	●●●○●●●	2.232	(56.7)
NBAS-008-2-A	8	0.492	(12.5)	2.676	(68.0)	A	●○●●●●●○●	3.168	(80.5)
NBAS-009-2-A	9	0.180	(4.6)	3.300	(83.8)	A	○●●●●●●●●○△	3.792	(96.3)
NBAS-010-1-B	10	2.052	(52.1)	–	–	B	●●●●●△○△●●●●●	4.104	(104.2)
NBAS-012-1-B	12	2.364	(60.0)	–	–	B	●●●●●●△○△●●●●●●	4.728	(120.1)
NBAS-012-2-A	12	1.116	(28.3)	3.300	(83.8)	A	●●●○●●●●●○●●●	4.416	(112.2)
NBAS-013-2-A	13	1.116	(28.3)	3.612	(91.7)	A	●●●○●●●●●●○●●●	4.728	(120.1)
NBAS-014-1-B	14	2.676	(60.0)	–	–	B	●●●●●●●△○△●●●●●●●	5.354	(136.0)
NBAS-192-0-A*	192	–	–	–	–	A	● x 192	60.000	(1524.0)
NBAS-192-0-B	192	–	–	–	–	B	● x 192	60.000	(1524.0)
NBAS-231-0-A*	231	–	–	–	–	A	● x 231	72.000	(1828.8)
NBAS-231-0-B	231	–	–	–	–	B	● x 231	72.000	(1828.8)

[1] Mounting holes have a diameter of 0.203 in. (5.2mm)
All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* Screws are provided unassembled
Tested to UL 486A/B, UL File E6207 and CSA C22.2 No. 65-03
Tested to UL 467, UL File E6207

● Hole for conductor circuit
○ Hole for mounting screw
△ Unused hole

SCREWS

Type A Headed Slot Drive & Square Drive

Type B Headless Slot Drive

Aluminum Neutral Bars
Extended Conductors
Conductor Range: #6-#14 and 1/0-#14

RoHS Compliant

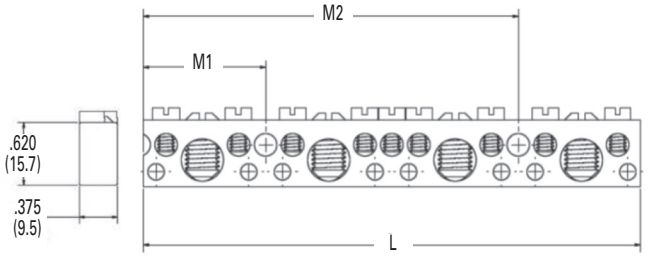
LR-29601

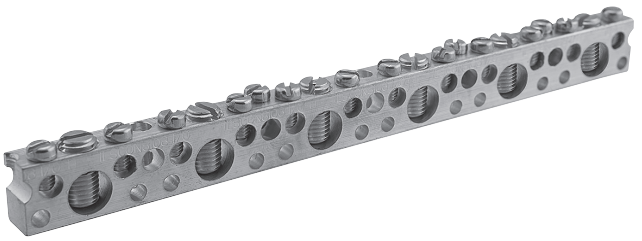
TYPE
NBAE

Features
- Manufactured from high strength aluminum alloy
- Electro-tin plated
- Dual rated
- Assemblies available with 6-123 circuits
- UL Recognized for grounding and power, and CSA Certified

Benefits
- Provides maximum conductivity
- Low contact resistance
- Use with both copper and aluminum conductors
- Application versatility
- Ensures reliability

C





Catalog Number	Number of Large Circuits[1]	Number of Large Circuits[2]	Mounting Hole Locations[3] in. (mm) M1		M2		Dimensions - in. (mm) L	
NBAE-0204-1	2	4	1.133	(28.8)	–	–	2.265	(57.5)
NBAE-0307-1	3	7	2.305	(58.5)	–	–	3.438	(87.3)
NBAE-0409-2	4	9	1.133	(28.8)	3.477	(88.3)	4.609	(117.1)
NBAE-0410-1	4	10	2.305	(58.5)	–	–	4.609	(117.1)
NBAE-0512-2	5	12	2.305	(58.5)	4.648	(118.1)	5.781	(146.8)
NBAE-0615-2	6	15	3.477	(88.3)	5.821	(147.9)	6.954	(176.6)
NBAE-0924-2	9	24	2.305	(58.5)	9.336	(237.1)	10.468	(265.9)
NBAE-1233-2	12	33	5.820	(147.8)	8.164	(207.4)	13.986	(355.2)
NBAE-3192-0	31	92	–	–	–	–	36.250	(920.8)

SCREWS

Type A
Headless
Slot Drive

Type B
Headed
Slot Drive

[1] Large Circuits have a conductor range of 1/0-14AWG
[2] Small Circuits have a conductor range of 6-14AWG
[3] Mounting holes have a diameter of 0.203 in. (5.2mm)

Catalog Number	Configuration
NBAE-0204-1	★●★○★●★
NBAE-0307-1	★●★★★●★○★●★
NBAE-0409-2	★●★○★●★★★●★○★●★
NBAE-0410-1	★●★★★●★○★●★★★●★
NBAE-0512-2	★●★★★●★○★●★★★●★○★●★
NBAE-0615-2	★●★★★●★★★●★○★●★★★●★○★●★
NBAE-0924-2	★●★★★●★○★●★★★●★★★●★★★●★★★●★★★●★○★●★
NBAE-1233-2	★●★★★●★★★●★★★●★★★●★○★●★★★●★○★●★★★●★★★●★★★●★★★●★
NBAE-3192-0	★●★★★● ..... ★★★● x 28 ..... ★★★●★

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207 and CSA C22.2 No. 65-03
Tested to UL 467, UL File E6207

★ Hole for small circuit
● Hole for large circuit
○ Hole for mounting screw

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In Canada: 615 B Orwell Street, Mississauga, Ontario, Canada L5A 2W4 | PH: 905.274.2341 | FAX: 905.279.2682

Copper Neutral Bars
Extended Conductors
Conductor Range: #6-#14 and 1/0-#14

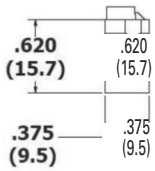
RoHS Compliant

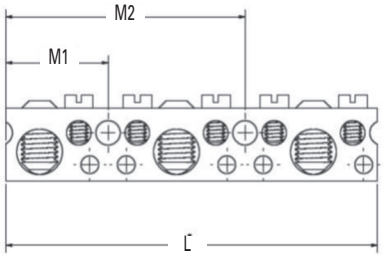
LR-29601

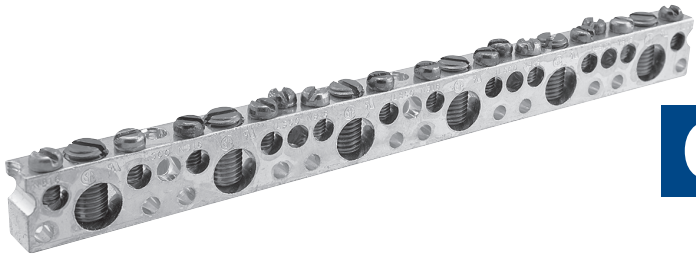
TYPE
NBCE

Features
- Manufactured from high strength copper
- Electro-tin plated
- Assemblies available with 8-123 circuits
- UL Recognized for grounding and power, and CSA Certified

Benefits
- Provides maximum conductivity
- Low contact resistance
- Application versatility
- Ensures reliability







C

Catalog Number	Number of Large Circuits[1]	Number of Large Circuits[2]	Mounting Hole Locations[3] in. (mm) M1		M2		Dimensions - in. (mm) L	
NBCE-0305-2	3	5	1.133	(28.8)	2.305	(58.5)	3.176	(80.7)
NBCE-0615-2	6	15	3.477	(88.3)	5.821	(147.9)	6.954	(176.6)
NBCE-1336-2	13	36	5.821	(147.9)	8.165	(207.4)	15.158	(385.0)
NBCE-3192-0	31	92	–	–	–	–	36.250	(920.8)

SCREWS

Type A
Headless
Slot Drive

Type B
Headed
Slot Drive

[1] Large Circuits have a conductor range of 1/0-14AWG
[2] Small Circuits have a conductor range of 6-14AWG
[3] Mounting holes have a diameter of 0.203 in. (5.2mm)

Catalog Number	Configuration
NBCE-0305-2	★●★○★●★○★●
NBCE-0615-2	★●★★★●★★★●★○★●★★★●★○★●★
NBCE-1336-2	★●★★★●★★★●★★★●★★★●★○★●★★★●★○★●★★★●★★★●★★★●★★★●★★★●★
NBCE-3192-0	★●★★★★● ..... ★★★★● x 28 ..... ★★★●★

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207 and CSA C22.2 No. 65-03
Tested to UL 467, UL File E6207

★ Hole for small circuit
● Hole for large circuit
○ Hole for mounting screw

Neutral Bar Adapter

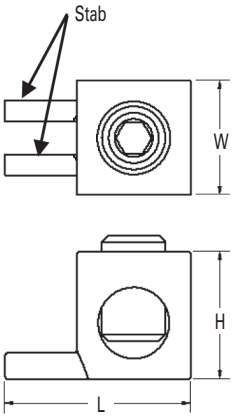
RoHS Compliant

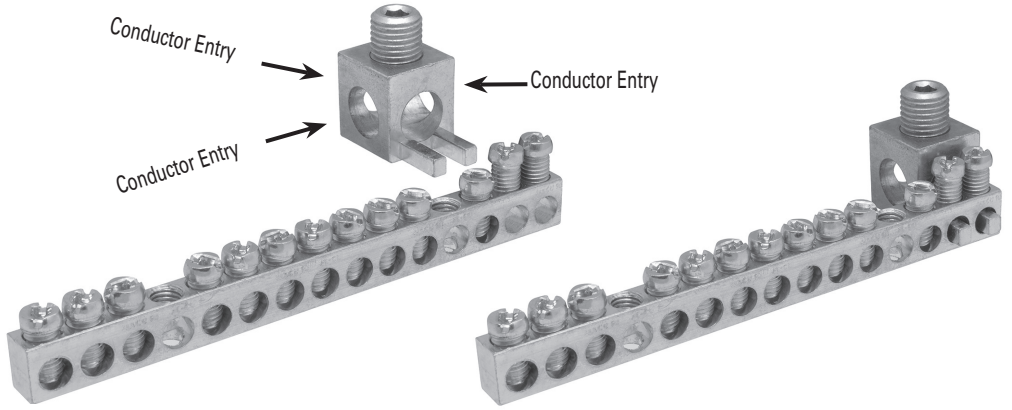
TYPE
NBST

Features
- Connects a 2/0-14 conductor to a neutral bar
- Seamless stabs
- Conductor entry at 90˚ or parallel to neutral bar
- Mounts to solar nodes and neutral bars with hole spacing from .300" to .350"
- Hex socket screw included
- Manufactured from high strength aluminum
- Electro-tin plated
- UL 486 A/B and UL 467 Recognized, 90˚ C

Benefits
- Enables connection of a larger conductor for application versatility
- Provide dual current path for reliability and cool operation
- Multiple conductor orientation
- For diverse field applications
- Offers higher torque rating for reliability
- Suitable for use with copper or aluminum conductors
- Provides low contact resistance
- For power and grounding applications

C





Catalog Number	Wire Range	Dimensions						Hex Size
		H		W		L		
NBST-2/0	2/0-14	1.140	(29.0)	0.700	(17.8)	0.780	(19.8)	3/16

UL Recognized for use with ILSCO	
Neutral Bars	**Solar Nodes**
NB-350	SCNL
NBAS	SCNM

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX oxide inhibitor is recommended for all aluminum terminations

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Solar Combiner Node
Lay-In

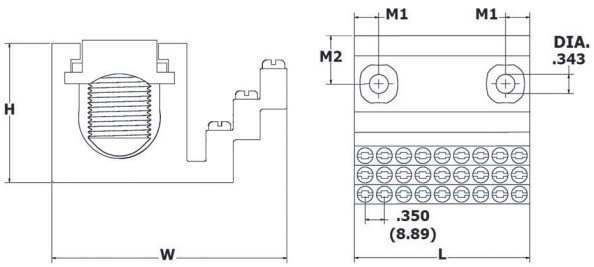
RoHS Compliant

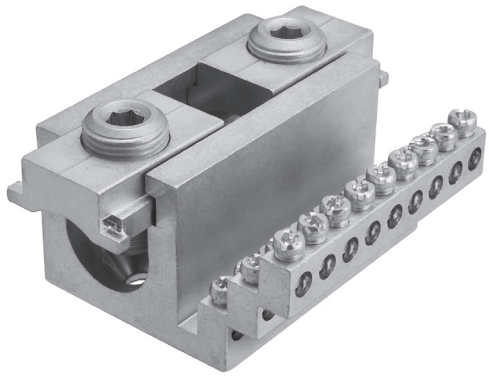
TYPE
SCNL

Features
- Manufactured from high strength aluminum alloy
- Configuration - 27 inputs and 1 output
- Conductor Input: 4-14
- Conductor Output: 750kcmil-1/0
- Designed for insulators up to 2000V
- For unfused PV source inputs up to 420A CU, 340A AL

Benefits
- Provide maximum conductivity and strength for copper and aluminum conductors
- Application versatility
- Input accepts Class B and C conductors
- Output accepts Class B and C conductors
- Mounting hardware fits variety of commerical insulators

C





Catalog Number	Primary				Secondary			Dimensions - in. (mm)				
	Wire Range	Wires per Hole	Number of Circuits	Screw Type	Wire Range	Number of Circuits	Hex Size	W	H	L	M1	M2
SCNL-27	4-14 10-14+	1 2	27 54	Slot/SQ	750kcmil-1/0	1	5/16	3.050 (77.5)	1.800 (45.7)	3.186 (80.9)	0.443 (11.3)	0.875 (22.2)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Two 5/16 dia, 5/16 depth flat-head screws are included for mounting. Insulators sold separately, consult factory for ordering information.
UL/cUL Recognized to UL486A/B, UL File E6207
+ See Information Sheet for other UL approved two wire combinations.

Solar Combiner Node

RoHS Compliant

C UL US

TYPE
SCNM

Features
- Manufactured from high strength aluminum alloy
- Configuration - 18 to 42 string inputs; 4 outputs
- Conductor Input: 4-14
- Conductor Output: 1000kcmil–6
- Designed for insulators up to 2000V

Benefits
- Provides maximum conductivity and strength for copper and aluminum conductors
- Application versatility
- Input accepts Class B and C conductors
- Output accepts Class B, C, G, H, I, K, M and DLO conductors
- Mounting hardware fits variety of commerical insulators

C

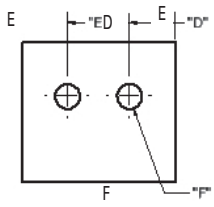


Fig. 1

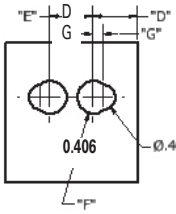


Fig. 2

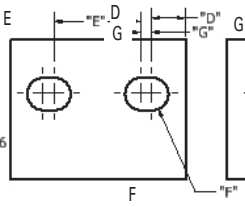


Fig. 3

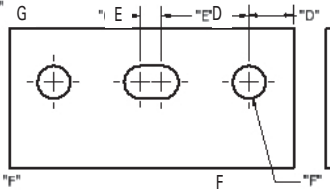


Fig. 4

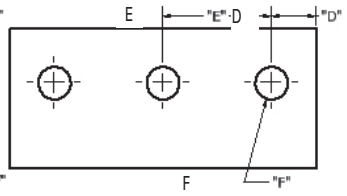
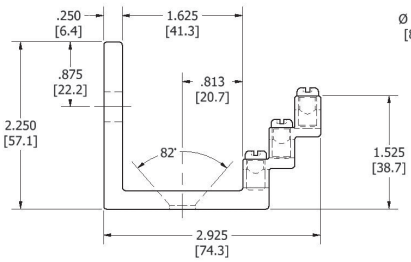
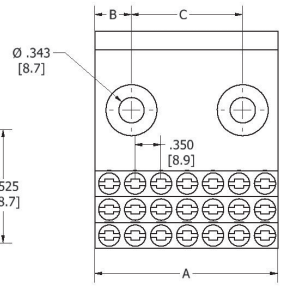
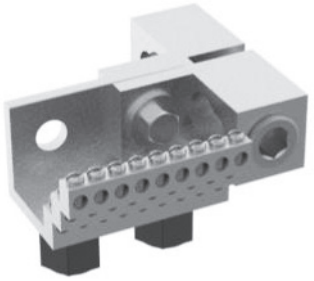


Fig. 5

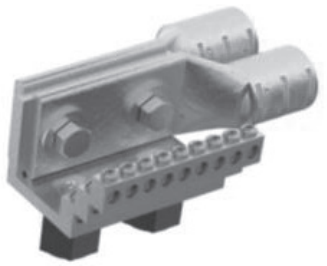
Lug Mount Configurations (See Figure Number above)







Typical Mechanical Lug Mount



Typical Compression Lug Mount

Catalog Number	Lug Mount Fig. No.	PV Source Input**	String Input		Output		Dimensions - in. (mm)						
			No. of Strings	Wire Range	No. of Circuits	Wire Range	A	B	C	D	E	F	G
SCNM-18	2	540	18	4-14	1-4	1000kcmil-6	2.136 (54.25)	0.443 (11.25)	1.250 (31.75)	0.718 (18.24)	0.700 (17.78)	0.531 (13.49)	0.150 (3.81)
SCNM-21	1	630	21	4-14	1-4	1000kcmil-6	2.468 (62.69)	0.493 (12.52)	1.500 (38.10)	0.734 (18.64)	1.000 (25.40)	0.406 (10.31)	
SCNM-24	3	720	24	4-14	1-4*	1000kcmil-6	2.836 (72.03)	0.543 (13.79)	1.750 (44.45)	0.543 (13.79)	1.400 (35.56)	0.531 (13.49)	0.175 (4.45)
SCNM-27	1	810	27	4-14	1-4*	1000kcmil-6	3.186 (80.92)	0.593 (15.06)	2.000 (50.80)	0.718 (18.24)	1.750 (44.45)	0.531 (13.49)	
SCNM-30	3	900	30	4-14	1-4*	1000kcmil-6	3.536 (89.81)	0.518 (13.16)	2.500 (63.50)	0.718 (18.24)	1.750 (44.45)	0.531 (13.49)	0.175 (4.45)
SCNM-33	3	990	33	4-14	1-4*	1000kcmil-6	3.886 (98.70)	0.443 (11.25)	3.000 (76.20)	0.718 (18.24)	1.750 (44.45)	0.531 (13.49)	0.350 (8.89)
SCNM-36	3	1080	36	4-14	1-4*	1000kcmil-6	4.236 (107.59)	0.618 (15.70)	3.000 (76.20)	0.718 (18.24)	1.750 (44.45)	0.531 (13.49)	0.525 (13.34)
SCNM-39	4	1170	39	4-14	1-4*	1000kcmil-6	4.586 (116.48)	0.793 (20.14)	3.000 (76.20)	0.718 (18.24)	1.400 (35.56)	0.531 (13.49)	0.350 (8.89)
SCNM-42	5	1260	42	4-14	1-4*	1000kcmil-6	4.936 (125.37)	0.968 (24.59)	3.000 (76.20)	0.718 (18.24)	1.750 (44.45)	0.531 (13.49)	

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
**For non-fused PV string inputs, 30A per string
Each input hole contains a 1/4 – 28 UNF; slotted/square drive screw
Two 5/16-18 UNC x 1/2 screws are included for mounting to insulators (insulators sold separately, consult Customer Care for information)
*For use with mechanical or compression components; sold separately. NEMA mounting hole configurations
UL/cUL Recognized to UL486A/B, UL File E6207

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SafetySub®
Watertight, Underground Connectors

RoHS Compliant | c UL us LISTED | SA LR-29601

TYPE
USPASS

Features
- Encapsulated with dielectric strength polymer
- Manufactured from high strength aluminum alloy
- Compact design
- DE-OX oxide inhibiting compound optional
- Connector rated for 600 volts, 90˚ C
- Range taking
- Meets or exceeds UL 486D

Benefits
- Completely watertight in line splice. Ready for installation. (not a mold for use with mixed compounds) No taping required. No temperature or humidity restrictions.
- Suitable for use with copper or aluminum conductors
- Easily accessible in small hand holes
- Prevents oxides from forming
- Ensures reliability
- Reduces inventory
- UL Listed and CSA Certified for direct burial in earth or concrete

C

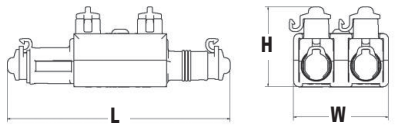

Fig. 1

Fig. 2

Fig. 3

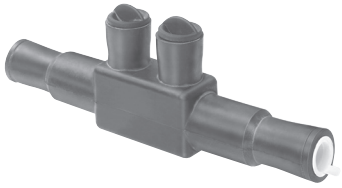

Fig. 4

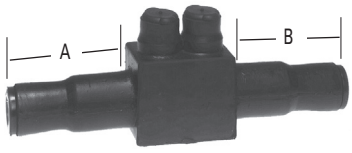

Fig. 5

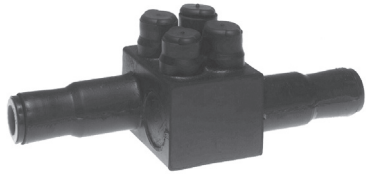

Fig.6

Catalog Number	Figure No.	Wire Range	Dimensions - in. (mm)		
				M1	M2
USPA-1/0SS-DB*	1	1/0-14	0.930 (23.6)	1.925 (48.9)	5.630 (143.0)
USPA21-1/0SS-DB*	2	1/0-14	2.190 (55.6)	1.925 (48.9)	4.000 (101.6)
USPA22-1/0SS-DB*	3	1/0-14	2.395 (60.8)	2.000 (50.8)	5.630 (143.0)
USPA-350SS-DB+	4	350kcmil-10str	1.162 (29.5)	2.500 (63.5)	8.625 (219.0)
USPA-500SS-DB	5	500kcmil-10	1.925 (48.8)	3.219 (81.7)	9.812 (249.2)
USPA-750SS-DB	6	750kcmil-2	3.596 (91.3)	3.843 (83.4)	9.188 (233.4)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
+ RUS Listed
Tested to UL 486D, UL File E125087
*For DE-OX®, add "P" following the SS (e.g. USPA-1/0SSP-DB)

Watertight Underground Splice Kits

RoHS Compliant

TYPE
SS
SSK
SSKC

Features
- Watertight EPDM rubber splice cover
- Tapered ends
- Ready for installation
- Type SS is cover only supplied with lubricant
- Type SSK kit is supplied with both connector and
- lubricant
- Connector rated for 600 volts, 90˚ C
-

Benefits
- No taping required. Suitable for direct burial
- Fits a wide range of conductor sizes
- Not a mold, can be used in any type of weather. (moisture and humidity are not a factor)
- Can be used with standard aluminum or copper compression from 500kcmil - 6. Lubricant permits easy insertion of conductors into sleeve.
- Supplied with dual-rated mechanical splice connector with a wire range of 350kcmil - 6
- Ensures reliability

C

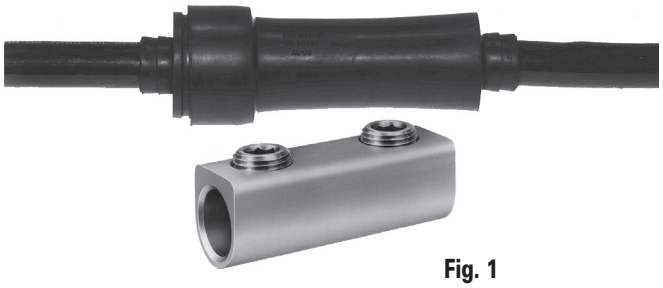

Fig. 1

Fig. 2

Catalog Number	Figure No.	Wire Range		Dimensions
		Bolted Connector	Compression Sleeves	L
SSK-350-Z	1	350kcmil-6	–	5-1/2
SS-350-Z	2	350kcmil-6	500kcmil-6	5-1/2

Catalog Number	Connector Catalog Number	Wire Size	Wire Range when Installed with IDT 12-Tool
SSKC-6-Z	AS-6	6	6
SSKC-4-Z	AS-4	4	4-6
SSKC-2-Z	AS-2	2	2-6
SSKC-1/0-Z	AS-1/0	1/0	1/0-1
SSKC-2/0-Z	AS-2/0	2/0	2/0-1
SSKC-3/0-Z	AS-3/0	3/0	3/0-1
SSKC-4/0-Z	AS-4/0	4/0	4/0-1
SSKC-250-Z	AS-250	250kcmil	250kcmil-1/0

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

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Parallel Groove Clamps
Dual Rated

RoHS Compliant

TYPE
PG

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Clear plated
- Range taking

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Permits inventories to be kept to a minimum

C

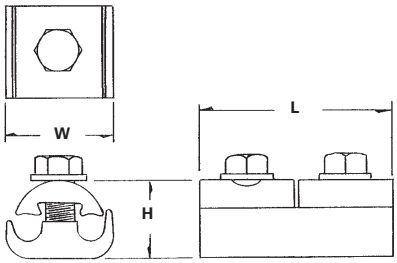


Fig. 1

Fig. 2

Fig. 3

Catalog Number	Figure Number	Wire Range Both Grooves	Type and Bolt Size	Dimensions		
				L	H	W
PG810-S-Z	1	1/0-8 sol	3/8, Steel	1-1/8	1-5/8	1-3/16
PG620-Z	2	2/0-6 sol	7/16, AL	1-3/8	1-5/8	1-1/4
PG620-S-Z	2	2/0-6 sol	3/8, Steel	1-3/16	1-5/8	1-1/8
PG620-2A-Z	3	2/0-6 sol	3/8, AL	2-7/16	1-5/8	1-1/4
PG620-2S-Z	3	2/0-6 sol	3/8, Steel	2-7/16	1-5/8	1-1/4
PG402-S-Z	2	4/0-2	3/8, Steel	1-1/2	1-3/4	1-3/8
PG402-2S-Z	3	4/0-2	3/8, Steel	3-1/16	1-3/4	1-3/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.

Aluminum Grounding Connectors
Dual Rated

RoHS Compliant

TYPE
GRM
GRF

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Type GRM - Elongated steel stud
- Type GRF - Threaded female design

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Provides ease of grounding a single conductor to steel structures or to tap a single conductor from bus bar
- Provides ease of installation for a variety of standard stud sizes

C

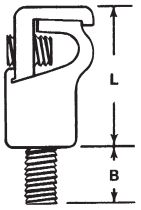
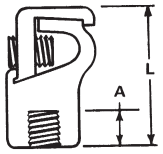


Fig. 1



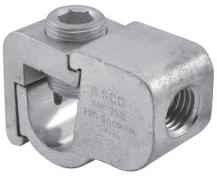


Fig. 2

Catalog Number	Fig. No.	Wire Range			Dia. Thread	Dimensions			Hex Size
		Max.	Min.	Steel Strand		A	B	L	
GRM-2A	1	2str	12sol/str	5/16	1/4"-20	-	11/16	1-1/4	Slot
GRM-2B	1	2str	12sol/str	5/16	5/16"-18	-	3/8	1-1/4	Slot
GRM-2C	1	2str	12sol/str	5/16	3/8"-16	-	9/16	1-1/4	Slot
GRM-0	1	1/0str	2str	3/8	1/2"-13	-	1	1-9/16	Slot
GRM-250A	1	250kcmil	1/0	9/16	1/2"-13	-	1	2-1/8	5/16
GRM-250B	1	250kcmil	1/0	9/16	5/8"-11	-	1	2-1/8	5/16
GRM-350	1	350kcmil	4/0	-	5/8"-11	-	1	2-1/2	3/8
GRM-500	1	500kcmil	350kcmil	-	3/4"-10	-	1-3/8	2-15/16	3/8
GRM-750	1	750kcmil	500kcmil	-	3/4"-10	-	1-3/8	3-3/8	1/2
GRF-2A	2	2str	12sol/str	5/16	1/4"-20	5/16	-	1-1/4	Slot
GRF-2B	2	2str	12sol/str	5/16	5/16"-18	3/8	-	1-1/4	Slot
GRF-2C	2	2str	12sol/str	5/16	3/8"-16	7/16	-	1-1/4	Slot
GRF-0	2	1/0str	2str	3/8	1/2"-13	1/2	-	1-9/16	Slot
GRF-250A	2	250kcmil	1/0	9/16	1/2"-13	1/2	-	2-1/8	5/16
GRF-250B	2	250kcmil	1/0	9/16	5/8"-11	3/4	-	2-1/8	5/16
GRF-350	2	350kcmil	4/0	-	5/8"-11	3/4	-	2-1/2	3/8
GRF-500	2	500kcmil	350kcmil	-	3/4"-10	7/8	-	2-15/16	3/8
GRF-750	2	750kcmil	500kcmil	-	3/4"-10	7/8	-	3-3/8	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.

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Copper Mechanical Lugs
One Conductor, One Hole

RoHS Compliant

UL LISTED 453G

SA LR-29601

TYPE
SLU
SLS
SAS
SAU

Features
- Manufactured from electrolytic copper tubing and strip stock
- Compact design
- Range taking
- Re-usable
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- V-bottom collar
- SLU-35DB and SLU-70DB are UL 467 Listed and suitable for direct burial
- Rated to 90˚ C

Benefits
- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Application versatility
- Wires are wedged between arched pressure bar and collar establishing positive contact and firm permanent grip

C

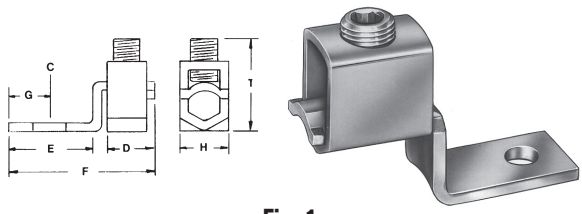

Fig. 1

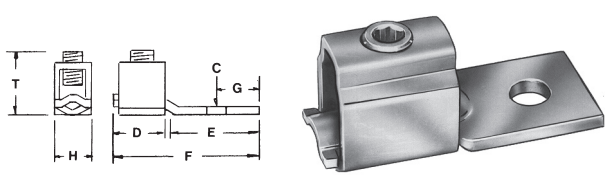

Fig. 2

Catalog Number	Screw Type	Fig. No.	Wire Range Copper	Bolt Size	Dimensions							Hex Size
					C	D	E	F	G	H	T	
SLU-35	⊖	1	6-14 & List Comb. (A)	#10	13/64	7/16	15/32	1-3/16	7/32	3/8	3/4	Slot
SLU-35DB	⊖	1	6-14 & List Comb. (A)	#10	13/64	7/16	15/32	1-3/16	7/32	3/8	3/4	Slot
SAU-70	⊖	1	4-14	1/4	17/64	7/16	17/32	1-5/16	1/4	3/8	13/16	Slot
SLU-70	⊖	1	2-8 & List Comb. (B)	1/4	17/64	1/2	21/32	1-17/32	1/4	1/2	1	Slot
SLU-70DB	⊖	1	2-8 & List Comb. (B)	1/4	17/64	1/2	21/32	1-17/32	1/4	1/2	1	Slot
SLU-300	⬡	1	350kcmil-1/0	3/8	13/32	1-1/4	1-1/2	3-3/16	1/2	1	2-5/8	5/16
SLU-400	⬡	1	500kcmil-1/0	3/8	13/32	1-1/2	1-15/16	4-14	15/16	1-1/2	2-3/4	5/16
SLU-650	⬡	1	1000kcmil-600kcmil	1/2	17/32	1-7/8	1-7/8	4-5/8	1-7/64	2	3-11/16	3/8
SLS-35	⊖	2	6-14 & List Comb. (A)	#10	13/64	7/16	41/64	1-9/64	7/32	3/8	11/16	Slot
SAS-70	⊖	2	4-14	1/4	17/64	7/16	23/32	1-1/4	1/4	1/2	27/32	Slot
SLS-70	⊖	2	2-8 & List Comb. (B)	1/4	17/64	1/2	13/16	1-15/32	1/4	1/2	31/32	Slot
SLS-300	⬡	2	350kcmil-1/0	3/8	13/32	1-1/4	1-1/2	3-3/16	1/2	1	2-3/8	5/16
SLS-400	⬡	2	500kcmil-1/0	3/8	13/32	1-1/2	2-3/16	3-7/8	15/16	1-1/2	2-9/16	5/16
SLS-650	⬡	2	1000kcmil-600kcmil	1/2	17/32	1-7/8	3	5-1/8	1-3/16	2	3-11/16	3/8

* Tin Plated

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
(A) UL Listed wire combinations: (2) #10; (2) #12; (2) #14; (1) #12 and (1) #14; (1) #10 and (1) #12
(B) UL Listed wire combinations: (1) #8 and (1) #4; (1) #8 and (1) #6; (2) #4; (3) #8; (3) #6; (2) #8 and (1) #4; (2) #8 and (1) #6; (1) #6 and (1) #4; (2) #6

Tested to UL 486A/B, UL File E6207

Copper Mechanical Lugs
One Conductor, Two Hole

RoHS Compliant | UL LISTED 453G | SA LR-29601

TYPE
E
H

Features
- Manufactured from electrolytic copper tubing and strip stock
- Compact design
- Range taking
- Re-usable
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- V-bottom collar
- Two mounting holes
- Rated to 90˚ C

Benefits
- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Application versatility
- Wires are wedged between arched pressure bar and collar establishing positive contact and firm permanent grip
- Acts as anti-rotation device and prevents turning in safety switches, control equipment etc.

C

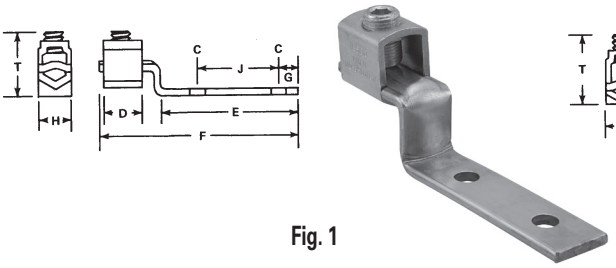

Fig. 1

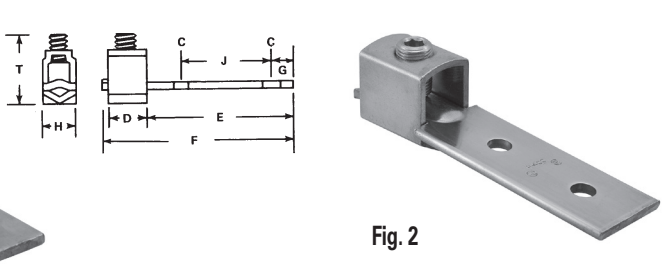

Fig. 2

Catalog Number	Fig. No.	Wire Range Copper	Bolt Size	Dimensions								Hex Size
				C	D	E	F	G	H	J	T	
E-35	1	6-14 & List Comb. (A)	#10	13/64	7/16	1-1/2	2-1/4	7/32	3/8	1	3/4	Slot
E-70	1	2-8 & List Comb. (B)	1/4	17/64	1/2	1-1/2	2-7/16	1/4	1/2	1	1	Slot
E-125	1	1/0-6	1/4	17/64	5/8	1-7/8	2-15/16	7/16	5/8	1	1-11/32	Slot
E-225	1	4/0-2	5/16	11/32	1	2-5/32	3-19/32	1/2	1	1	1-13/16	7/32
E-300	1	350kcmil-1/0	3/8	13/32	1-1/4	3-11/16	5-11/16	13/16	1	1-7/8	2-5/8	5/16
E-400	1	500kcmil-1/0	3/8	13/32	1-1/2	3-13/16	6	15/16	1-1/2	1-3/4	2-3/4	5/16
E-650	1	1000kcmil-600kcmil	1/2	17/32	1-7/8	3-9/16	6-1/4	1-3/16	2	1-3/4	3-11/16	3/8
H-70	2	2-8 & List Comb. (B)	1/4	17/64	1/2	1-7/8	2-1/2	1/4	1/2	1	31/32	Slot
H-400	2	500kcmil-1/0	3/8	13/32	1-1/2	3-15/16	5-5/8	15/16	1-1/2	1-3/4	2-9/16	5/16
H-650	2	1000kcmil-600kcmil	1/2	17/32	1-7/8	4-3/4	6-7/8	1-3/16	2	1-3/4	3-11/16	3/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
(A) UL Listed wire combinations: (2) #10; (2) #12; (2) #14; (1) #12 and (1) #14; (1) #10 and (1) #12
(B) UL Listed wire combinations: (1) #8 and (1) #4; (1) #8 and (1) #6; (2) #4; (3) #8; (3) #6; (2) #8 and (1) #4; (2) #8 and (1) #6; (1) #6 and (1) #4; (2) #6
Tested to UL 486A/B, UL File E6207

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Copper, Heavy Duty, Mechanical Lugs
One Conductor, One Hole

RoHS Compliant

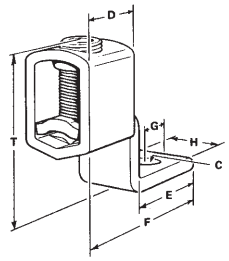
UL LISTED 453G

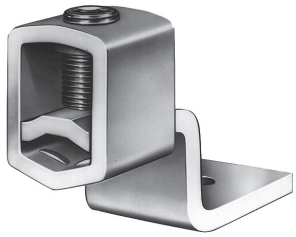
SA LR-29601

TYPE
SLUH

Features
- Manufactured from electrolytic copper tubing and strip stock
- Compact design
- Range taking
- Re-usable
- Electro-tin plated
- Captive tang
- V-bottom collar
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90˚ C

Benefits
- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficent use and flexibility in the field
- Provides low contact resistance
- Suited for heavy duty applications requiring high torque to withstand vibration and high ambient heat
- Wires are wedged between arched pressure bar and collar establishing positive contact and firm permanent grip
- Application versatility





C

Catalog Number	Wire Range	Bolt Size	Dimensions							Hex Size
			C	D	E	F	G	H	T	
SLUH-35	6-14	#10	13/64	7/16	1/2	1-1/8	7/32	3/8	11/16	Slot
SLUH-90	2-14	1/4	17/64	9/16	5/8	1-31/64	1/4	1/2	27/32	Slot
SLUH-125	1/0-8	1/4	17/64	11/16	13/16	1-7/8	7/16	5/8	63/64	Slot
SLUH-225	250kcmil-6	5/16	11/32	1	1-5/32	2-7/16	1/2	1	1-17/64	1/4
SLUH-300	350kcmil-1/0	3/8	13/32	1-3/16	1-1/2	3-1/16	1/2	1	2-1/4	5/16
SLUH-400	500kcmil-1/0	3/8	13/32	1-3/8	1-15/16	3-13/16	15/16	1-1/2	2-15/32	5/16
SLUH-650	1000kcmil-4/0	1/2	17/32	1-57/64	1-7/8	4-5/16	1-3/16	2	3-3/32	3/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) Tested to UL 486A/B, UL File E6207

SLUH-35 6-14
SLUH-90 2-14
SLUH-125 1/0-8
SLUH-225 250kcmil-6
SLUH-300 350kcmil-1/0
SLUH-400 500kcmil-1/0
SLUH-650 1000kcmil-4/0

Conductor Class - Fine Stranded							
B	C	G	H	I	K	M	Locomotive Cable
-	-	14/49	-	-	14/41	14/104	14/19
14/7	14/19	12/49	-	-	12/65	12/168	12/19
12/7	12/19	-	-	-	-	-	-
10/7	10/19	10/49	-	10/26	10/104	10/259	10/27
-	-	8/49	8/133	8/41	8/168	8/420	8/37
8/7	8/19	-	-	-	-	-	-
6/7	6/19	-	-	-	-	-	-
4/7	4/19	6/49	6/133	6/63	6/266	6/665	6/61
3/7	3/19	4/49	4/133	4/105	4/420	4/1064	4/105
2/7	2/19	3/49	3/133	3/133	3/532	3/1323	3/125
1/19	1/37	2/49	2/133	2/161	2/665	2/1666	2/150
1/0/19	1/0-37	1/133	1/259	1/210	1/836	1/2107	1/225
2/0-19	2/0-37	1/0-133	1/0-259	-	-	1/0/2646	1/0/275
3/0-19	3/0-37	2/0-133	2/0-259	1/0/266	1/0/1064	-	2/0/325
/0-19	4/0-37	3/0-133	3/0-259	2/0/342	2/0/1323	2/0/3325	-
250kcmil/37	250kcmil/61	-	-	3/0/418	3/0/1666	3/0/4256	3/0/450
300kcmil/37	300kcmil/61	4/0-133	4/0-259	4/0/532	-	-	222.2kcmil/550
350kcmil/37	350kcmil/61	250kcmil/259	250kcmil/427	250kcmil/637	4/0/2107	4/0/5320	262.6kcmil/650
400kcmil/37	400kcmil/61	300kcmil/259	300kcmil/427	300kcmil/735	250kcmil/2499	250kcmil/6384	313.1kcmil/775
500kcmil/37	500kcmil/61	350kcmil/259	350kcmil/427	350kcmil/882	300kcmil/2989	300kcmil/7581	-
-	-	400kcmil/259	400kcmil/427	400kcmil/980	350kcmil/3458	350kcmil/8806	373.7kcmil/925
600kcmil/61	600kcmil/91	-	-	-	-	-	444kcmil/1100
700kcmil/61	700kcmil/91	500kcmil/259	500kcmil/427	500/kcmil/1225	450kcmil/4522	450kcmil/11396	535.3kcmil/1325
750kcmil/61	750kcmil/91	550kcmil/259	500kcmil/703	550kcmil/1372	500kcmil/5054	500kcmil/12691	-
-	-	600kcmil/259	500kcmil/703	600kcmil/1470	550kcmil/5453	550kcmil/13664	646.4kcmil/1591
1000kcmil/61	1000kcmil/91	750kcmil/259	500kcmil/703	650kcmil/1596	600kcmil/5985	600kcmil/14945	-

Copper Mechanical Lugs
One Conductor, One Hole

RoHS Compliant

UL LISTED 453G

SA LR-29601

TYPE
LO

Features
- Manufactured from electrolytic seamless copper tubing
- Compact design
- Range taking
- Re-usable
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90˚ C

Benefits
- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Application versatility

C

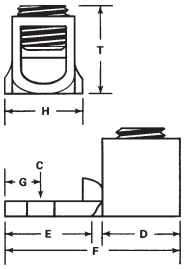


Fig. 1

Fig. 2

Fig. 3

Fig. 4

Catalog Number	Fig. No.	Bolt Size	Wire Range	Dimensions							Hex Size
				C	D	E	F	G	H	T	
LO-4	1	1/4	4-14	17/64	3/4	5/8	1-3/8	9/32	1/2	25/32	Slot
LO-0	2	1/4	1/0-14	9/32	11/16	27/32	1-3/4	13/32	3/4	11/16	Slot
LO-250	4	5/16	250kcmil-6	21/64	1	1-1/4	2-9/32	7/16	63/64	7/8	3/8
LO-350SH	3	1/2	350kcmil-4	17/32	7/8	1	2-7/32	1/2	1-1/8	1-3/16	3/8
LO-350STD	3	3/8	350kcmil-4	13/32	1-1/4	1-1/8	2-5/8	1/2	1-1/8	1-1/16	3/8
LO-500	4	3/8	500kcmil-4/0	25/64	1-1/4	1-9/16	3-5/16	7/8	1-1/2	1-1/2	3/8
LO-600	4	3/8	600kcmil-1	13/32	1-7/16	1-11/16	3-5/8	7/8	1-1/2	1-1/2	3/8
LO-1000	4	1/2	1000kcmil-500kcmil	17/32	1-17/32	1-7/8	3-15/16	27/32	2	2-1/16	3/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

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Copper Mechanical Lugs
One Conductor, Two Hole

RoHS Compliant

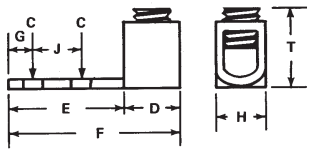
UL LISTED 453G

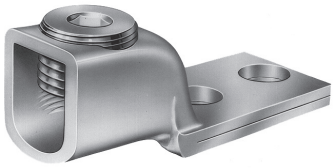
SA LR-29601

TYPE
VT
LO-S

Features
- Manufactured from electrolytic seamless copper tubing
- Compact design
- Range taking
- Re-usable
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90˚ C

Benefits
- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Application versatility





C

Catalog Number	Wire Range	Bolt Size	Dimensions								Hex Size
			C	D	E	F	G	H	J	T	
VT-4-S	4-14	#10	15/64	9/16	1	1-3/4	1/4	1/2	1/2	25/32	Slot
LO-0-S	1/0-14	1/4	9/32	11/16	1-9/16	2-1/2	3/8	3/4	7/8	19/32	Slot
LO-250-S	250kcmil-6	3/8	13/32	1	1-3/4	3-3/32	3/8	1	1	7/8	3/8
LO-350-S	350kcmil-4	3/8	7/16	7/8	2	3-1/2	3/8	1-1/8	1-1/16	1-1/4	3/8
LO-600-S	600kcmil-1	1/2	9/16	1-7/16	2	3-7/8	3/8	1-1/4	1-1/16	1-1/2	3/8
LO-1000-S	1000kcmil-500kcmil	1/2	9/16	1-9/16	2-1/2	4-1/2	3/8	1-5/8	1-3/16	2-1/16	3/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

Copper Mechanical Lugs
One Conductor, One Hole

RoHS Compliant

UL LISTED 453G

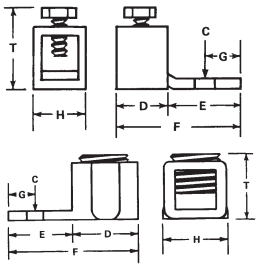
SA LR-29601

TYPE
XT
LY

Features
- Manufactured from electrolytic copper tubing and strip stock
- Compact design
- Range taking
- Re-usable
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- XT-6DB and XT-4DB are UL 467 Listed and suitable for direct burial, XT-4 certified to #8 solid copper wire
- Rated to 90˚ C

Benefits
- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Application versatility

C



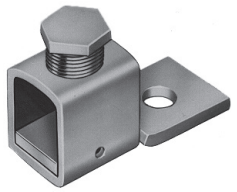


Fig. 1

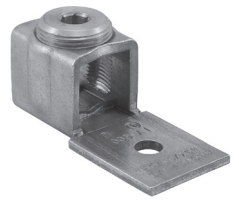


Fig. 2

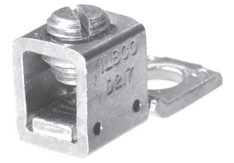


Fig. 3

Fig. 4

Catalog Number	Fig. No.	Wire Range	Bolt Size	Dimensions							Hex Size
				C	D	E	F	G	H	T	
XT-10	3	10-14	#6	5/32	9/32	17/32	7/8	3/16	5/16	17/32	Slot
XT-6 ‡	4	6-18	#10	13/64	3/8	17/32	1	7/32	3/8	3/4	Slot
XT-6DB	3	6-14	#10	13/64	3/8	17/32	1	7/32	3/8	3/4	Slot
XT-4	3	4-14 & List Comb. (A)	1/4	17/64	1/2	5/8	1-1/8	1/4	1/2	5/8	Slot
XT-4DB	3	4-14 & List Comb. (A)	1/4	17/64	1/2	5/8	1-1/8	1/4	1/2	5/8	Slot
XT-0	3	1/0-6 & List Comb. (B)	1/4	17/64	5/8	29/32	1-17/32	7/16	5/8	1	Slot
XT-40	1	4/0-6	5/16	11/32	1	1-1/16	2-3/16	9/16	.81	1-5/8	EH 5/8
XT-500*+	1	500kcmil-2/0	3/8	7/16	1-3/8	1-11/16	3-3/16	7/8	1-1/2	2-9/16	EH 3/4
LY-250-S+	2	250kcmil-6	1/4	17/64	1	13/16	1-13/16	3/8	1	1	3/8
LY-600	2	600kcmil-1/0 (C)	3/8	13/32	1-7/16	1-7/8	3-5/16	7/8	1-1/2	1-3/8	3/8
LY-600-S	2	600kcmil-1/0 (C)	5/16	21/64	1-7/16	1-1/8	2-9/16	1/2	1-3/8	1-3/8	3/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*Furnished with Pressure Plate
+ EH External Hex
‡ UL 467 Listed for grounding and bonding. Not rated for direct burial.
(A) UL Listed wire combinations: (2) #14; (2) #12; (2) #10; (2) #8 and (4) #16
(B) UL Listed wire combinations: (2) #6 and (2) #8
(C) UL Listed wire combinations: (2) #4/0; (2) #3/0; (2) #2/0, and (2) #1/0
Tested to UL 486A/B, UL File E6207

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Copper Post Connectors

RoHS Compliant

UL LISTED 453G

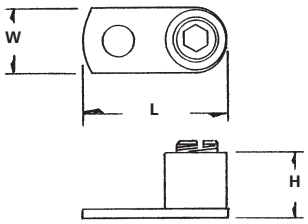
SA LR-29601

TYPE
CP

Features
- Manufactured from high conductivity copper alloy
- Compact design
- Range taking
- Re-usable
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Certified for grounding, bonding, and direct burial
- Rated to 90° C

Benefits
- Provides long lasting reliable contact
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Application versatility
- Ensures a safe and reliable grounding connection

C



Catalog Number	Wire Range	Bolt Size	Stud Hole	Dimensions			Hex Size
				C	D	T	
CP-8	8-14 Sol/Str	10	13/64	0.8180	0.3950	0.4500	Slot
CP-4	4-18 Str, 6-18 Sol	1/4	17/64	1.0920	0.5400	0.5900	Slot
CP-0	1/0-10 Str, 2-10 Sol	5/16 or 1/4	11/32	1.5000	0.7300	0.7630	1/4
CP-250	250kcmil-6 Str, 2-6 Sol	3/8 or 5/16	13/32	1.9688	0.9375	1.0625	1/4
CP-500*+	500kcmil-2/0	1/2	17/32	3.0000	1.4060	1.4690	3/8
CP-1000*+	1000kcmil-500kcmil	1/2	17/32	3.9688	2.0000	2.1560	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B and UL 467 for grounding and bonding, UL File E6207; suitable for direct burial
+ Tested only to UL 486A/B, UL File E6207
* Not CSA Certified

Copper, Box Type Mechanical Lugs

RoHS Compliant

LR-29601

TYPE
CO

Features
- Manufactured from electrolytic seamless copper tubing
- Compact design
- Range taking
- Re-usable
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Bossed mounting holes
- Rated for 90˚ C

Benefits
- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Application versatility
- Acts as an anti-rotation device and prevents the connector from turning

C

Fig. 1

Fig. 2

Fig. 3

Catalog Number	Fig. No.	Wire Range	Dimensions							
			L	W	Height with Max. Wire	Bossed Mounting Hole Tapped	Style Boss and Outside Dimensions	Top Hole Tapped	Top Hole and Inner Side Walls Tapped	Bottom Clearance Hole
CO3RP	1	6-14	3/8	11/32	21/32	8-32	Round .216-.220	1/4-28	–	–
CO3SP	1	6-14	3/8	11/32	21/32	10-32	Square .216-.220	1/4-28	–	–
CO4SP	2	4-14	15/32	29/64	19/32	10-32	Square .227-.231	5/16-24	–	–
CO4CW	3	4-14	15/32	29/64	3/4	–	–	–	3/8-27	.203

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

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Copper, Box Type Mechanical Lugs

RoHS Compliant

LR-29601

TYPE
CO

Features
- Manufactured from electrolytic seamless copper tubing
- Compact design
- Range taking
- Re-usable
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Bossed mounting holes
- Rated for 90˚ C

Benefits
- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Application versatility
- Acts as an anti-rotation device and prevents the connector from turning

C

Fig. 1

Fig. 2

Fig. 3

Catalog Number	Fig. No.	Wire Range	Dimensions							
			L	W	Height with Max. Wire	Bossed Mounting Hole Tapped	Style Boss and Outside Dimensions	Top Hole Tapped	Top Hole and Inner Side Walls Tapped	Bottom Clearance Hole
CO5SP	1	1/0-6	5/8	9/16	29/32	10-32	Square .227-.231	3/8-27	–	–
CO6RP	2	4/0-2	1	13/16	1-9/16	1/4-20	Round .2825-.2875	9/16-24	–	–
CO7	3	500kcmil-1/0	1-3/8	1-1/8	2-3/8	1/4-20	Round .3025-.3225	5/8-18	–	–

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

Copper Service Entrance Mechanical Lugs

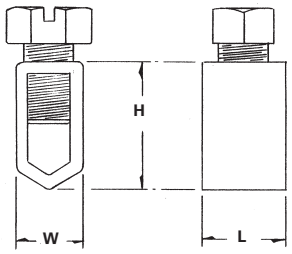
RoHS Compliant

TYPE
SX

Features
- Manufactured from high strength copper tubing
- Compact design
- Versatile

Benefits
- Provides maximum conductivity for copper conductors
- Requires very little space
- Can be installed with either screwdriver, wrench, or pliers

C



Catalog Number	Wire Range	Dimensions		
		L	W	H
SX-12	12str	9/32	1/4	3/8
SX-10-8	8-10str	5/16	1/4	31/64
SX-6+	6str	7/16	11/32	11/16

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
+ RUS Listed

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Copper Splicer/Reducer

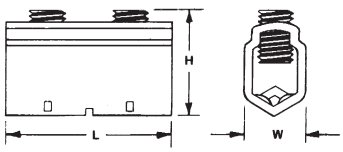
RoHS Compliant

UL LISTED 453G

TYPE
2SC

Features
- Manufactured from electrolytic seamless copper tubing
- Compact design
- Range taking
- Re-usable
- V-bottom collar with serrations
- Two screw design
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated for 90˚ C

Benefits
- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Wires are held securely between set screws and
- v-bottom providing superior pullout strength
- For light duty applications
- Application versatility



C

Catalog Number	Wire Range	Dimensions			Screw	Hex Size
		L	W	H		
2SC-50	4-14	7/8	3/8	3/4	Slotted Headless	Slot

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

Copper Mechanical Lugs
Two Conductor, One Hole

RoHS Compliant

UL LISTED 453G

SA LR-29601

TYPE
MU
LU

Features
Manufactured from electrolytic copper tubing and strip stock
Compact design
Range taking
Re-usable
V-bottom collar (Type LU)
Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
Rated for 90° C

Benefits
Provides maximum conductivity and strength
Saves space and reduces installation time
Permits inventories to be kept to a minimum
Provides efficient use and flexibility in the field
Wires are wedged between arched pressure bar and collar establishing positive contact and firm permanent grip
Application versatility

C

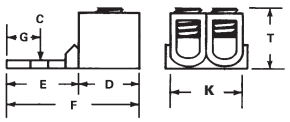
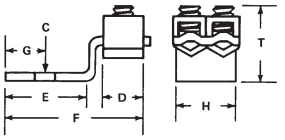


Fig. 1



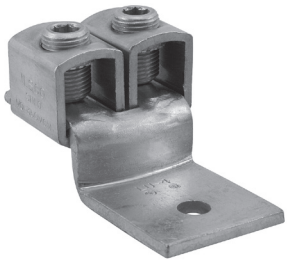


Fig. 2

Catalog Number	Fig. No.	Wire Range	Bolt Size	Collar Style	Dimensions								Hex Size
					L	W	L	W	L	W	L	W	
MU-250	1	Two: 250kcmil-6	3/8	Square	25/64	1	1-9/16	2-15/16	7/8	1-1/2	1-5/8	15/16	1/4
MU-350	1	Two: 350kcmil-1/0	1/2	Round	9/16	1-9/16	1-13/16	3-5/16	7/8	1-3/4	1-7/8	1-9/16	3/8
MU-600	1	Two: 600kcmil-4/0	1/2	Round	9/16	1-1/4	1-13/16	3-5/8	7/8	2-1/4	2-1/2	1-3/4	3/8
LU-4	2	Two: 350kcmil-1/0	3/8	V-bottom	13/32	1-1/4	1-3/4	3-1/2	21/32	1-3/4	2	2-7/32	5/16
LU-6	2	Two: 500kcmil-1/0	1/2	V-bottom	17/32	1-1/2	2-3/16	4-7/16	27/32	2	2-1/4	2-9/16	5/16

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

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Bronze, One Conductor Mechanical Lugs
One Mounting Hole

RoHS Compliant

UL LISTED 8M24

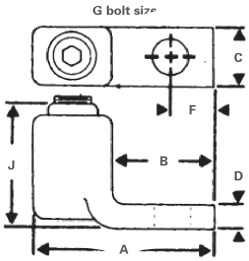
SA AP-100973-1

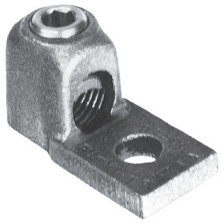
TYPE
CL

Features
Range taking
Easily installed with a key wrench
Convenient peep hole
Re-usable
Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
Rated for 90˚ C

Benefits
Permits inventories to be kept to a minimum
Time savings
Easy inspection
Provides efficient use and flexibility in the field
Application versatility

C





Catalog Number	Wire Range	Dimensions						
		G	A	B	C	D	J	F
CL-1-8†	8-14	1/4	1-1/8	9/16	1/2	1/8	17/32	9/32
CL-1-1	1-4	1/4	1-5/8	13/16	5/8	7/32	1	11/32
CL-1-2/0	2/0-1	3/8	1-15/16	1	13/16	1/4	1-3/16	7/16
CL-1-4/0	4/0-2/0	3/8	2-3/8	1-1/4	1	9/32	1-13/32	17/32
CL-1-300	300kcmil-4/0	1/2	2-3/4	1-1/2	1-3/16	5/16	1-17/32	5/8
CL-1-500	500kcmil-300kcmil	1/2	3-1/16	1-11/16	1-3/8	11/32	1-13/16	3/4
CL-1-750	750kcmil-500kcmil	1/2	3-25/32	2-3/16	1-5/8	13/32	2-1/8	1
CL-1-1000	1000kcmil-750kcmil	5/8	4-5/16	2-15/32	1-7/8	15/32	2-11/32	1-3/16

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
† With Filister head screw. All other, hex socket screw.
UL File E158587

Bronze, One Conductor Mechanical Lugs
Two Mounting Hole

RoHS Compliant

UL LISTED 8M24

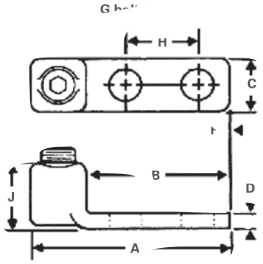
SA AP-100973-1

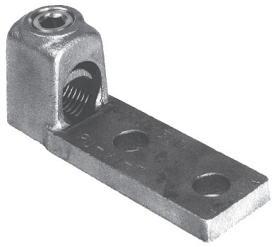
TYPE
CL

Features
- Range taking
- Easily installed with a key wrench
- Convenient peep hole
- Re-usable
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated for 90˚ C

Benefits
- Permits inventories to be kept to a minimum
- Time savings
- Easy inspection
- Provides efficient use and flexibility in the field
- Application versatility

C





Catalog Number	Wire Range	Dimensions							
		G	A	B	C	D	J	F	H
CL-1-2/0N	2/0-1	1/2	3-15/16	3	1	1/4	11/16	9/16	1-3/4
CL-1-4/0N	4/0-2/0	1/2	4-1/8	3	1	9/32	1-9/32	9/16	1-3/4
CL-1-300N	300kcmil-4/0	1/2	4-3/16	3	1-3/16	5/16	1-15/32	9/16	1-3/4
CL-1-500N	500kcmil-300kcmil	1/2	4-7/8	3-1/2	1-3/8	11/32	1-13/16	9/16	1-3/4
CL-1-750N	750kcmil-500kcmil	1/2	5-3/32	3-1/2	1-3/4	13/32	2-1/8	9/16	1-3/4
CL-1-1000N	1000kcmil-750kcmil	1/2	5-1/4	3-1/2	3	15/32	2-1/8	9/16	1-3/4

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Furnished with bolt holes and spacing to fit equipment supplied with NEMA type connector mounting pads.
UL File E158587

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Bronze Mechanical Lugs
One Conductor

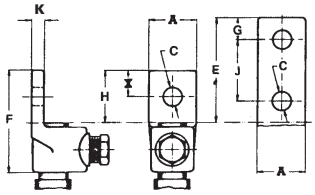
RoHS Compliant

UL LISTED 8M24

TYPE
HL

Features
- Manufactured from high strength cast bronze
- Range taking
- Re-usable
- Pressure pad/saddle
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated for 90˚ C

Benefits
- Provides maximum conductivity and a high degree of breakage resistance
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Provides positive grip and low contact resistance.
- Application versatility
-



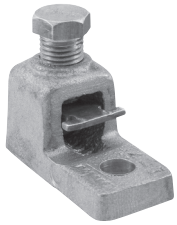


Fig. 1

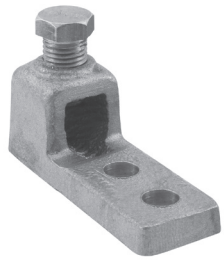


Fig. 2

C

Catalog Number	Fig. No.	Wire Range	Bolt Size	Dimensions							
				A	C	E	F	G	H	J	K
HL4-1	1	4 str-8 sol	1/4	9/16	9/32	5/8	1-1/4	5/16	5/8	–	3/16
HL8-1	1	1str-4 sol	1/4	3/4	9/32	11/16	1-9/16	11/32	11/16	–	7/32
HL13-1	1	2/0 str-1 str	3/8	13/16	13/32	7/8	1-7/8	7/16	7/8	–	7/32
HL21-1	1	4/0 str-2/0 str	3/8	1	7/16	1	2-3/16	1/2	1	–	1/4
HL30-1	1	300kcmil-4/0 str	1/2	1-1/16	9/16	1-1/4	2-1/2	5/8	1-1/4	–	5/16
HL35-1	1	350kcmil-250kcmil	1/2	1-3/16	9/16	1-1/4	2-9/16	5/8	1-1/4	–	5/16
HL50-1	1	500kcmil-300kcmil	1/2	1-3/8	9/16	1-1/2	3	3/4	1-3/8	–	11/32
HL75-1	1	750kcmil-500kcmil	5/8	1-5/8	11/16	1-3/4	3-7/16	7/8	1-3/4	–	3/8
HL35-2N	2	350kcmil-250kcmil	1/2	1-1/2	9/16	3	4-1/4	5/8	3	1-3/4	5/16
HL50-2N	2	500kcmil-300kcmil	1/2	1-1/2	9/16	3	4-7/16	5/8	3	1-3/4	11/32
HL75-2N	2	750kcmil-500kcmil	1/2	1-5/8	9/16	3	4-11/16	5/8	3	1-3/4	3/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

Bronze Mechanical Lugs
Two and Three Conductor

RoHS Compliant

UL LISTED 8M24

SA AP-100973-1

TYPE
CL

Features
- Range taking
- Easily installed with a key wrench
- Convenient peep hole
- Re-usable
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated for 90˚ C

Benefits
- Permits inventories to be kept to a minimum
- Time savings
- Easy inspection
- Provides efficient use and flexibility in the field
- Application versatility

C

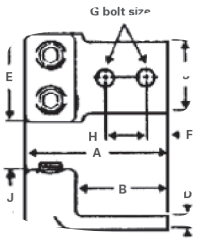


Fig. 1

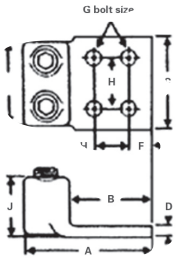
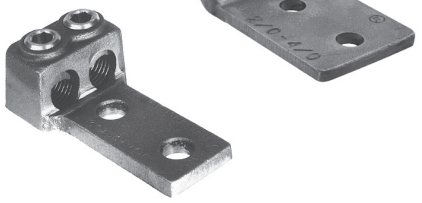


Fig. 2



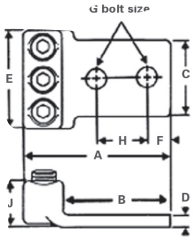


Fig. 3

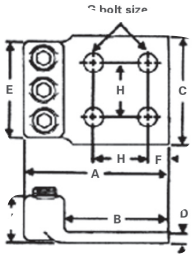


Fig. 4

Catalog Number	Fig. No.	Wire Range	Dimensions								
			G	A	B	C	D	E	F	H	J
CL-2-8†	1	8-14	1/4	2-3/16	1-3/4	5/8	1/8	11/16	9/32	5/8	15/32
CL-2-4†	1	4-8	1/4	2-1/2	2	1	1/8	1	9/32	5/8	17/32
CL-2-1	1	1-4	3/8	2-13/16	2	1-1/4	7/32	1-1/4	7/16	1	19/32
CL-2-2/0	1	2/0-1	1/2	4-7/16	3-1/2	1-1/2	1/4	1-9/16	5/8	1-3/4	13/32
CL-2-4/0	1	4/0-2/0	1/2	4-5/8	3-1/2	1-3/4	9/32	1-3/4	5/8	1-3/4	15/16
CL-2-300	1	300kcmil-4/0	1/2	4-3/4	3-1/2	2	5/16	2-1/8	5/8	13-3/4	1-9/16
CL-2-500	1	500kcmil-300kcmil	1/2	5-3/8	3-15/16	2-1/2	11/32	2-1/2	5/8	1-3/4	1-13/16
CL-2-700	2	700kcmil-500kcmil	1/2	5-19/32	4	4	13/32	2-15/16	5/8	1-3/4	2-1/8
CL-2-1000	2	1000kcmil-750kcmil	1/2	5-27/32	4	4	15/32	3-1/4	5/8	1-3/4	2-11/32
CL-3-4/0	3	4/0-2/0	1/2	4-5/8	3-3/8	2-1/2	9/32	2-3/4	5/8	1-3/4	15/16
CL-3-300	3	300kcmil-4/0	1/2	4-3/4	3-1/2	3	5/16	3-1/4	5/8	1-3/4	1-17/32
CL-3-500	4	500kcmil-300kcmil	1/2	5-3/8	4	4	11/32	3-3/4	5/8	1-3/4	1-13/16
CL-3-750	4	750kcmil-500kcmil	1/2	5-19/32	4	4	13/32	4-3/8	5/8	1-3/4	2-1/8
CL-3-1000	4	1000kcmil-750kcmil	1/2	5-27/32	4	4	15/32	4-13/16	5/8	1-3/4	2-11/32

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
† With Filister Head Screw
UL File E158587

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Bronze Mechanical Lugs
Two Conductor

RoHS Compliant

UL LISTED 8M24

TYPE
H2L

Features
- Manufactured from high strength cast bronze
- Range taking
- Re-usable
- Compact design
- Pressure pad/saddle
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated for 90° C

Benefits
- Provides maximum conductivity and a high degree of breakage resistance
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Requires less space than two individual connectors
- Provides positive grip and low contact resistance
- Application versatility

C

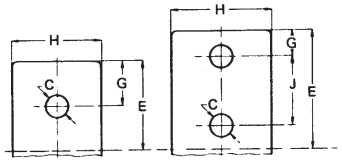
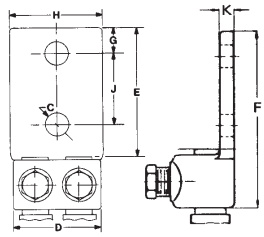


Fig. 1



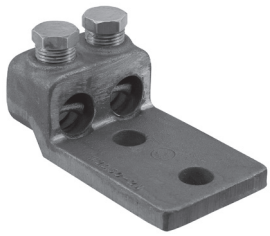


Fig. 2

Catalog Number	Fig. No.	Wire Range		Bolt Size	Dimensions							
		Min.	Max.		C	D	E	F	G	H	J	K
H2L-13-1	1	1 str	2/0 str	1/2	9/16	1-5/8	1-1/2	2-1/2	3/4	1-5/8	-	7/32
H2L-21-1	1	2/0 str	4/0 str	1/2	9/16	1-3/4	1-3/4	2-15/16	7/8	1-7/8	-	5/16
H2L-21-2N	2	2/0 str	4/0 str	1/2	9/16	1-3/4	3	4-3/16	5/8	1-7/8	1-3/4	5/16
H2L-30-2N	2	4/0 str	300kcmil	1/2	9/16	2	3	4-3/8	5/8	2	1-3/4	5/16
H2L-35-2N	2	250kcmil	350kcmil	1/2	9/16	2-1/8	3	4-7/16	5/8	2-1/4	1-3/4	5/16
H2L-50-2N	2	300kcmil	500kcmil	1/2	9/16	2-7/16	3	4-1/2	5/8	2-1/2	1-3/4	3/8
H2L-75-2N	2	500kcmil	750kcmil	1/2	9/16	3-1/16	3	4-11/16	5/8	3	1-3/4	7/16

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

Bronze Mechanical Lugs
Three Conductor, Two Mounting Hole

RoHS Compliant

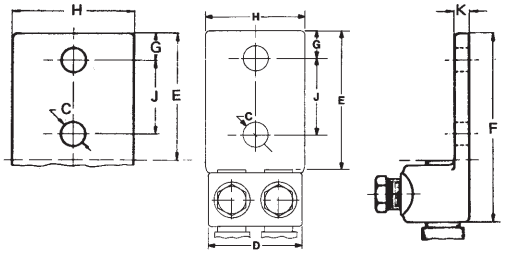
UL LISTED 8M24

TYPE
H3L

Features
- Manufactured from high strength cast bronze
- Range taking
- Re-usable
- Compact design
- Pressure pad/saddle
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated for 90° C

Benefits
- Provides maximum conductivity and a high degree of breakage resistance
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Requires less space than three individual connectors
- Provides positive grip and low contact resistance
- Application versatility

C



Catalog Number	Wire Range		Bolt Size	Dimensions							
	Min.	Max.		C	D	E	F	G	H	J	K
H3L-21-2N	2/0 str	4/0 str	1/2	9/16	2-5/8	3	4-3/16	5/8	1-7/8	1-3/4	5/16
H3L-30-2N	4/0 str	300kcmil	1/2	9/16	3-1/16	3	4-3/8	5/8	2-3/8	1-3/4	5/16
H3L-35-2N	250kcmil	350kcmil	1/2	9/16	3-3/16	3	4-7/16	5/8	2-3/8	1-3/4	5/16
H3L-50-2N	300kcmil	500kcmil	1/2	9/16	3-5/8	3	4-1/2	5/8	2-1/2	1-3/4	3/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

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Ground Rod Clamps
for Ground Rods

RoHS Compliant

UL LISTED 667P

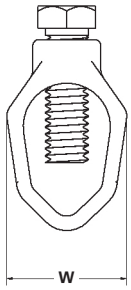
SA LR-29601

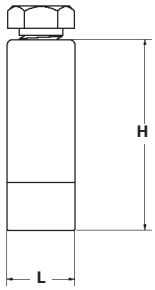
TYPE
SRC

Features
- Manufactured from bronze alloy
- Supplied with stainless steel hardware
- UL 467 Listed for direct burial and CSA Certified
- Range taking

Benefits
- Ensures maximum strength and superior conductivity
- Suitable for direct burial in earth or concrete
- Ensures a safe and reliable grounding connection
- Reduces inventory requirement

C





Catalog Number	Ground Rod		Dimensions - in. (mm)		
	Size	Wire Range	W	H	L
SRC-1/0	3/8*, 1/2, 5/8 3/4	1/0 str - 10 sol 1/0 str - 8 sol	0.892 (22.7) 0.590 (15.0)	1.270 (32.3) 1.666 (42.3)	0.750 (19.1) 1.031 (26.2)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*SRC-1/0 is not UL Listed with a 3/8" ground rod
Tested to UL 467, UL File E34440

Copper Neutral Bars

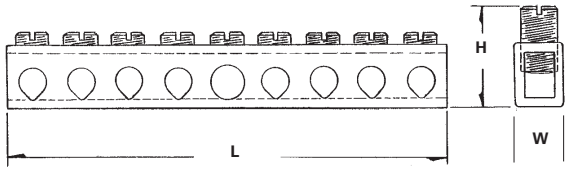
RoHS Compliant

TYPE
D167

Features
- Manufactured from high strength copper tubing
- Range taking
- UL Recognized for 600 volts

Benefits
- Provides maximum conductivity
- A wide range of conductor sizes c an be used in the same connector
- Ensures reliability for copper conductor

C



Catalog Number	Number of Taps	Wire Range		Dimensions					Mounting Hole Positions	
		Main	Tap	L	Height With Maximum Wire	W	Bolt Size	Two Mounting Holes	From End Of Bar To First Mounting Hole	Distance Between Holes
D167-4	4	4-14	6-14	2-3/4	3/4	11/32	#10	13/64	.581 (2nd hole)	1.98
D167-6	6	4-14	6-14	3-1/2	3/4	11/32	#10	13/64	.978 (3rd hole)	1.98
D167-8	8	4-14	6-14	4-7/16	3/4	11/32	#10	13/64	1.375 (4th hole)	1.98
D167-10	10	4-14	6-14	5-1/8	3/4	11/32	#10	13/64	1.772 (5th hole)	1.98
D167-12	12	4-14	6-14	5-15/16	3/4	11/32	#10	13/64	2.169 (6th hole)	1.98
D167-14	14	4-14	6-14	6-23/32	3/4	11/32	#10	13/64	2.566 (7th hole)	1.98

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B and UL 467, UL File E6207

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Copper Neutral Bars

TYPE
CAN

Features
- Manufactured from high strength copper tubing
- Compact design
- Range taking
- Circuit bars inserted at a 20 angle
- Copper conductor only

Benefits
- Provides maximum conductivity
- Up to 42 circuit taps can be made in just 5 1/2" of space
- A wide range of conductor sizes can be used in the same connector
- Provides easy wire insertion

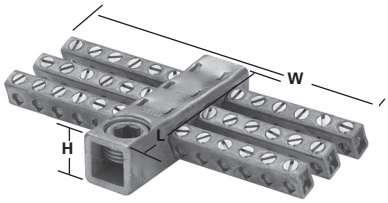


Fig. 1

Fig. 2

Fig. 3

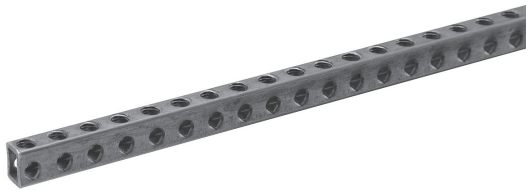


Fig. 4

C

Catalog Number	Fig. No.	Number of Taps	Wire Range		Dimensions			
			Main	Tap	L	Height With Maximum Wire	W	Two Tapped Mounting Holes
CAN-300	1	24	250kcmil-6	6-14	2-5/16	1-5/16	5-1/8	10-32
CAN-301	1	30	250kcmil-6	6-14	3	1-5/16	4-13/32	10-32
CAN-302	1	36	250kcmil-6	6-14	3	1-5/16	5-1/8	10-32
CAN-303	1	42	250kcmil-6	6-14	3	1-7/16	5-1/2	10-32
R-16	2	Mounting block of general purpose (phenolic black) suitable for mounting any of CAN Neutrals. 2-1/2" wide x 2-1/2" long x 1" thick.						
E-223	3	10-32 x 1/2" round head steel machine screws for fastening neutrals to mounting blocks. (Use lock washer to provide rigid assembly.)						
E-153	3	1/4-28 wire pressure screw 7/16" long. Screw is steel, zinc plated and chromate dipped.						
N-174‡	4	Supplied in 5' 9" lengths. Approximately 174 outlets. Wire range 14-6.						

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207
‡ Tested to UL 486A/B and UL 467, UL File E6207

Tin Plated Copper Split Bolts

RoHS Compliant

UL LISTED 460C

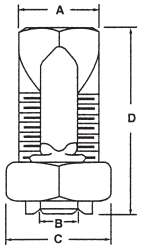
SA LR-701570

TYPE
SK

Features
- Manufactured from high strength copper alloy
- Electro-tin plated bolt, nut, spacer and pressure bar
- Precision tooled threads
- SK-10, SK-8, SK3, SK-2 SK-1/0, SK-2/0 are RUS Accepted
- For use with copper conductor types: Solid, Compact, Compressed, Concentric
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90˚ C

Benefits
- Provides maximum conductivity and high breakage resistance
- • Provides low contact resistance
- Application versatility

C



Catalog Number	Range For Equal Main & Tap	Main Tap with One Max. Main	Max Cond Copperweld		Wire Diameter Range	Dimensions				Recommended Torque (IN-LB
			Str	Type A		A	B	C	D	
SK-10	10str - 16str	16str	–	–	.057 - .116	.144	0.375	0.500	0.844	80
SK-8	8str - 16str	16str	–	–	.057 - .145	0.144	0.375	0.500	0.844	80
SK-6 +	8str - 14str	14str	–	–	.073 - .146	.166	0.500	0.625	1.109	165
SK-4 +	6str - 10str	10sol	3 No. 12	8A	.116 - .184	0.217	0.562	0.688	1.266	165
SK-3 +	4str - 8sol AL 2sol - 8sol CU	8sol AL 8sol CU	3 No. 9	5A	.128 - .258	0.326	0.688	0.812	1.547	275
SK-2 +	2str - 8sol	8sol	3 No. 7	3A	.128 - .316	0.326	0.688	0.812	1.547	275
SK-1/0	1/0str - 6sol	10sol	3 No. 6	–	.162 - .375	0.376	0.750	0.875	1.641	385
SK-2/0	2/0str - 6str	10sol	3 No. 5	–	.184 - .419	.420	0.812	1.000	1.812	385
SK-3/0	3/0str - 4str	6sol	7 No. 7	–	.198 - .470	0.466	0.875	1.125	2.000	500
SK-250	250kcmil - 4str	4str	7 No. 5	–	.232 - .575	0.577	1.000	1.312	2.328	650
SK-350	350kcmil - 3/0str	1sol	19 No. 7	–	.447 - .682	0.746	1.500	1.625	2.625	650
SK-500	500kcmil - 3/0str	1/0str	19 No. 6	–	.447 - .815	0.834	1.625	1.812	3.000	825
SK-750	750kcmil - 250kcmil	2/0str	19 No. 5	–	.563 - .999	1.030	1.938	2.125	3.750	1000
SK-1000	1000kcmil - 350kcmil	4/0str	–	–	.682 - 1.162	1.222	2.250	2.500	4.000	1100

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
+ AL9CU
UL File E12822

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C

INFORMATION SHEET
TIGHTENING TORQUE VALUES FOR ILSCO MECHANICAL SCREW CONNECTORS

WIRE SIZE	TIGHTENING TORQUE IN INCH POUNDS	
	SCREW DRIVER COMBO SLOTTED	EXTERNAL DRIVE WRENCH
14 AWG	35	75
12 AWG	35	75
10 AWG	35	75
8 AWG	40	75
6 AWG	45	110
4 AWG	45	110
2 AWG	50	150
1 AWG	50	150
1/0 AWG	50	180
2/0 AWG	50	180
3/0 AWG		250
4/0 AWG		250
250kcmil		325
350kcmil		325
500kcmil		375
600kcmil		375
700kcmil		375
750kcmil		375
800kcmil		500
1000kcmil		500

FORM 1
Revised 9-21-2015

INFORMATION SHEET
TIGHTENING TORQUE VALUES FOR ILSCO SOCKETHEAD SCREW CONNECTORS

INTERNAL SOCKET SIZE ACROSS FLATS INCHES	TIGHTENING TORQUE IN INCH POUNDS INTERNAL SOCKET
1/8	45
5/32	100
3/16	120
7/32	150
1/4	200
5/16	275
3/8	375
1/2	500
9/16	600

FORM 1
Revised 9-21-2015

TIGHTENING TORQUE FOR CONNECTING HARDWARE

SCREW OR BOLT SIZE		TIGHTENING TORQUE	
METRIC	SAE	N•m	(lbf•ft)
-	No. 8 or smaller	2	(1.5) 18
-	No. 10	3	(2.0) 24
M6	1/4	8	(6) 72

Please reference the instruction sheet included with your connector for specific torque values.
All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* Torque information included with product supersedes this page.

Insulated Mechanical

PBT

218

PBTO

218

PBTD

219 – 221

PBTS

222 – 224

PBTM

225 – 226

PBTF

227 – 230

PBTT

231

PBTL

232

PBTX

233

PBT2

234

PBTI

235

PBTFML KIT
236

Common 3-Phase
AC Motor Wiring Diagrams
237

ECT

238

ECTS

239 – 241

ECTD

242 – 244

PCT

245

SPAR

246

MAC

247

NIMBUS®
Two Wire In-Line and Offset Insulated Splicer-Reducer Connectors

RoHS Compliant | UL LISTED 453G | CSA LR-29601

TYPE
PBT

Features
- Broad wire range: 750kcmil-14
- UL Listed and CSA Certified for 600 volts, 90˚ C
- Dual rated
- Cold temperature rated to -45˚ C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®

Benefits
- Flexibility in the field
- Ensures reliability
- For copper or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming

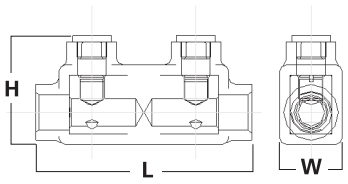

Fig. 1

Fig. 2

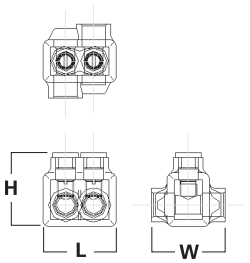

Fig. 3

D

Catalog Number	Fig. No.	No. of Ports	Wire Range	Dimensions			Hex Size
				L	W	H	
PBT-1/0	1	-	1/0-14	3.11	0.94	1.44	3/16
PBT-250	1	-	250kcmil-6	4.28	1.06	2.04	5/16
PBT-350	1	-	350kcmil-6	4.75	1.31	2.43	5/16
PBT-500	1	-	500kcmil-4	5.38	1.44	3.03	3/8
PBT-750	3	-	750kcmil-250kcmil	7.25	1.75	3.31	3/8
PBTO-4	2	2	4-14	1.17	1.25	1.31	1/8
PBTO-1/0	2	2	1/0-14	1.63	1.63	1.63	3/16
PBTO-3/0	2	2	3/0-6	1.89	1.68	1.86	1/4

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Per NEC Article 310-316, allowable ampacities are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 500-430 Amps, 750-535 Amps
Replacement caps & plugs available. Consult Factory
Tested to UL 486A/B, UL File E6207

NIMBUS®
Insulated Multi-Tap Connectors
Dual Sided Entry

RoHS Compliant | UL LISTED 453G | SA LR-29601

TYPE
PBTD

Features
- Broad wire range: 750kcmil-14
- UL Listed and CSA Certified for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®

Benefits
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- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
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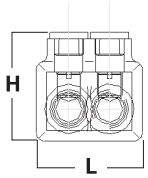

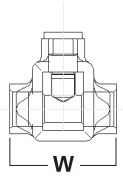

D

Catalog Number	No. of Ports	Wire Range	Dimensions			Hex Size
			L	W	H	
PBTD-2-4	2	4-14	1.24	1.25	1.42	1/8
PBTD-3-4	3	4-14	1.70	1.25	1.42	1/8
PBTD-4-4	4	4-14	2.16	1.25	1.42	1/8
PBTD-5-4	5	4-14	2.61	1.25	1.42	1/8
PBTD-6-4	6	4-14	3.07	1.25	1.42	1/8
PBTD-7-4	7	4-14 AWG	3.53	1.394	1.42	1/8
PBTD-8-4	8	4-14 AWG	3.99	1.394	1.42	1/8
PBTD-9-4	9	4-14 AWG	4.45	1.394	1.42	1/8
PBTD-10-4	10	4-14 AWG	4.9	1.394	1.42	1/8
PBTD-11-4	11	4-14 AWG	5.36	1.394	1.42	1/8
PBTD-12-4	12	4-14 AWG	5.82	1.394	1.42	1/8
PBTD-13-4	13	4-14 AWG	6.28	1.394	1.42	1/8
PBTD-14-4	14	4-14 AWG	6.74	1.394	1.42	1/8
PBTD-2-1/0	2	1/0-14	1.67	1.63	1.63	3/16
PBTD-3-1/0	3	1/0-14	2.29	1.63	1.63	3/16
PBTD-4-1/0	4	1/0-14	2.92	1.63	1.63	3/16
PBTD-5-1/0	5	1/0-14	3.54	1.63	1.63	3/16
PBTD-6-1/0	6	1/0-14	4.17	1.63	1.63	3/16
PBTD-7-1/0	7	1/0-14 AWG	4.748	1.825	1.63	3/16
PBTD-8-1/0	8	1/0-14 AWG	5.373	1.825	1.63	3/16
PBTD-9-1/0	9	1/0-14 AWG	5.998	1.825	1.63	3/16
PBTD-10-1/0	10	1/0-14 AWG	6.623	1.825	1.63	3/16
PBTD-11-1/0	11	1/0-14 AWG	7.248	1.825	1.63	3/16
PBTD-12-1/0	12	1/0-14 AWG	7.873	1.825	1.63	3/16
PBTD-13-1/0	13	1/0-14 AWG	8.498	1.825	1.63	3/16
PBTD-14-1/0	14	1/0-14 AWG	9.123	1.825	1.63	3/16
PBTD-2-3/0	2	3/0-6	1.89	1.68	1.86	1/4
PBTD-3-3/0	3	3/0-6	2.65	1.68	1.86	1/4
PBTD-4-3/0	4	3/0-6	3.42	1.68	1.86	1/4
PBTD-5-3/0	5	3/0-6	4.18	1.68	1.86	1/4
PBTD-6-3/0	6	3/0-6	4.95	1.68	1.86	1/4
PBTD-7-3/0	7	3/0-6 AWG	5.71	2.277	2.019	1/4
PBTD-8-3/0	8	3/0-6 AWG	6.48	2.277	2.019	1/4
PBTD-9-3/0	9	3/0-6 AWG	7.24	2.277	2.019	1/4
PBTD-10-3/0	10	3/0-6 AWG	8.01	2.277	2.019	1/4
PBTD-11-3/0	11	3/0-6 AWG	8.77	2.277	2.019	1/4
PBTD-12-3/0	12	3/0-6 AWG	9.54	2.277	2.019	1/4
PBTD-13-3/0	13	3/0-6 AWG	10.3	2.277	2.019	1/4
PBTD-14-3/0	14	3/0-6 AWG	11.07	2.277	2.019	1/4

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps. For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.
Replacement caps & plugs available. Consult Factory Tested to UL 486A/B, UL File E6207

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In Canada: 615 B Orwell Street, Mississauga, Ontario, Canada L5A 2W4 | PH: 905.274.2341 | FAX: 905.279.2682

NIMBUS®
Insulated Multi-Tap Connectors
Dual Sided Entry

RoHS Compliant

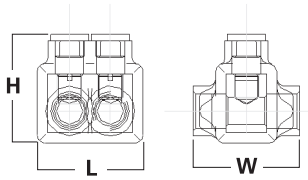
UL LISTED 453G

SA LR-29601

TYPE
PBTD

Features
- Broad wire range: 750kcmil-14
- UL Listed and CSA Certified for 600 volts, 90˚ C
- Dual rated
- Cold temperature rated to -45˚ C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®

Benefits
- Flexibility in the field
- Ensures reliability
- For copper or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming



D

Catalog Number	No. of Ports	Wire Range	Dimensions			Hex Size
			L	W	H	
PBTD-2-250	2	250kcmil-6	2.17	2.13	2.17	5/16
PBTD-3-250	3	250kcmil-6	3.07	2.13	2.17	5/16
PBTD-4-250	4	250kcmil-6	3.96	2.13	2.17	5/16
PBTD-5-250	5	250kcmil-6	4.85	2.13	2.17	5/16
PBTD-6-250	6	250kcmil-6	5.75	2.13	2.17	5/16
PBTD-7-250	7	250 kcmil-6 AWG	6.76	2.318	2.041	5/16
PBTD-8-250	8	250 kcmil-6 AWG	7.69	2.318	2.041	5/16
PBTD-9-250	9	250 kcmil-6 AWG	8.62	2.318	2.041	5/16
PBTD-10-250	10	250 kcmil-6 AWG	9.55	2.318	2.041	5/16
PBTD-11-250	11	250 kcmil-6 AWG	10.48	2.318	2.041	5/16
PBTD-12-250	12	250 kcmil-6 AWG	11.41	2.318	2.041	5/16
PBTD-13-250	13	250 kcmil-6 AWG	12.34	2.318	2.041	5/16
PBTD-14-250	14	250 kcmil-6 AWG	14.27	2.318	2.041	5/16
PBTD-2-350	2	350kcmil-6	2.51	2.25	2.62	5/16
PBTD-3-350	3	350kcmil-6	3.56	2.25	2.62	5/16
PBTD-4-350	4	350kcmil-6	4.61	2.25	2.62	5/16
PBTD-5-350	5	350kcmil-6	5.67	2.25	2.62	5/16
PBTD-6-350	6	350kcmil-6	6.71	2.25	2.62	5/16
PBTD-7-350	7	350 kcmil-6 AWG	8.248	2.578	2.396	5/16
PBTD-8-350	8	350 kcmil-6 AWG	9.404	2.578	2.396	5/16
PBTD-9-350	9	350 kcmil-6 AWG	10.56	2.578	2.396	5/16
PBTD-10-350	10	350 kcmil-6 AWG	11.716	2.578	2.396	5/16
PBTD-11-350	11	350 kcmil-6 AWG	12.872	2.578	2.396	5/16
PBTD-12-350	12	350 kcmil-6 AWG	14.028	2.578	2.396	5/16
PBTD-13-350	13	350 kcmil-6 AWG	15.184	2.578	2.396	5/16
PBTD-14-350	14	350 kcmil-6 AWG	16.34	2.578	2.396	5/16

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.
For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.
Replacement caps & plugs available. Consult Factory
Tested to UL 486A/B, UL File E6207

NIMBUS®
Insulated Multi-Tap Connectors
Dual Sided Entry

RoHS Compliant | UL LISTED 453G | SA LR-29601

TYPE
PBTD

Features
- Broad wire range: 750kcmil-14
- UL Listed and CSA Certified for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®

Benefits
- Flexibility in the field
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- For copper or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
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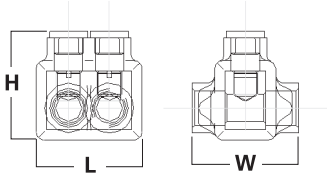

D

Catalog Number	No. of Ports	Wire Range	Dimensions			Hex Size
			L	W	H	
PBTD-2-500	2	600kcmil-4	2.97	2.63	3.04	3/8
PBTD-3-500	3	600kcmil-4	4.12	2.63	3.04	3/8
PBTD-4-500	4	600kcmil-4	5.28	2.63	3.04	3/8
PBTD-5-500	5	600kcmil-4	6.44	2.63	3.04	3/8
PBTD-6-500	6	600kcmil-4	7.59	2.63	3.04	3/8
PBTD-7-500	7	600 kcmil-4 AWG	9.186	3.036	3.034	3/8
PBTD-8-500	8	600 kcmil-4 AWG	10.467	3.031	3.034	3/8
PBTD-9-500	9	600 kcmil-4 AWG	11.748	3.031	3.034	3/8
PBTD-10-500	10	600 kcmil-4 AWG	13.029	3.031	3.034	3/8
PBTD-11-500	11	600 kcmil-4 AWG	14.31	3.031	3.034	3/8
PBTD-12-500	12	600 kcmil-4 AWG	15.591	3.031	3.034	3/8
PBTD-13-500	13	600 kcmil-4 AWG	16.872	3.031	3.034	3/8
PBTD-14-500	14	600 kcmil-4 AWG	18.153	3.031	3.034	3/8
PBTD-2-750	2	750kcmil-250kcmil	3.47	3.25	3.31	1/2
PBTD-3-750	3	750kcmil-250kcmil	4.89	3.25	3.31	1/2
PBTD-4-750	4	750kcmil-250kcmil	6.32	3.25	3.31	1/2
PBTD-5-750	5	750kcmil-250kcmil	7.74	3.25	3.31	1/2
PBTD-6-750	6	750kcmil-250kcmil	9.16	3.25	3.31	1/2
PBTD-7-750	7	750 kcmil-250 kcmil	11.14	3.405	3.206	1/2
PBTD-8-750	8	750 kcmil-250 kcmil	12.7	3.405	3.206	1/2
PBTD-9-750	9	750 kcmil-250 kcmil	14.26	3.405	3.206	1/2
PBTD-10-750	10	750 kcmil-250 kcmil	15.82	3.405	3.206	1/2
PBTD-11-750	11	750 kcmil-250 kcmil	17.38	3.405	3.206	1/2
PBTD-12-750	12	750 kcmil-250 kcmil	18.94	3.405	3.206	1/2
PBTD-13-750	13	750 kcmil-250 kcmil	20.5	3.405	3.206	1/2
PBTD-14-750	14	750 kcmil-250 kcmil	22.06	3.405	3.206	1/2

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Insulated Multi-Tap Connectors
Single Sided Entry

RoHS Compliant

UL LISTED 453G

SA LR-29601

TYPE
PBTS

Features
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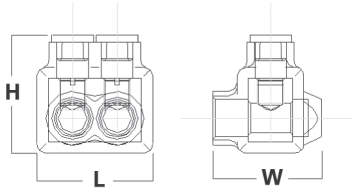
- Entry port closure
- Prevents oxides from forming



D

Catalog Number	No. of Ports	Wire Range	Dimensions			Hex Size
			L	W	H	
PBTS-2-4	2	4-14	1.24	1.22	1.42	1/8
PBTS-3-4	3	4-14	1.70	1.22	1.42	1/8
PBTS-4-4	4	4-14	2.16	1.22	1.42	1/8
PBTS-5-4	5	4-14	2.61	1.22	1.42	1/8
PBTS-6-4	6	4-14	3.07	1.22	1.42	1/8
PBTS-7-4	7	4-14 AWG	3.458	1.32	1.379	1/8
PBTS-8-4	8	4-14 AWG	3.916	1.32	1.379	1/8
PBTS-9-4	9	4-14 AWG	4.374	1.32	1.379	1/8
PBTS-10-4	10	4-14 AWG	4.832	1.32	1.379	1/8
PBTS-11-4	11	4-14 AWG	5.29	1.32	1.379	1/8
PBTS-12-4	12	4-14 AWG	5.748	1.32	1.379	1/8
PBTS-13-4	13	4-14 AWG	6.206	1.32	1.379	1/8
PBTS-14-4	14	4-14 AWG	6.664	1.32	1.379	1/8
PBTS-2-1/0	2	1/0-14	1.67	1.53	1.63	3/16
PBTS-3-1/0	3	1/0-14	2.29	1.53	1.63	3/16
PBTS-4-1/0	4	1/0-14	2.92	1.53	1.63	3/16
PBTS-5-1/0	5	1/0-14	3.54	1.53	1.63	3/16
PBTS-6-1/0	6	1/0-14	4.17	1.53	1.63	3/16
PBTS-7-1/0	7	1/0-14 AWG	4.748	1.62	1.63	3/16
PBTS-8-1/0	8	1/0-14 AWG	5.373	1.62	1.63	3/16
PBTS-9-1/0	9	1/0-14 AWG	5.998	1.62	1.63	3/16
PBTS-10-1/0	10	1/0-14 AWG	6.67	1.53	1.63	3/16
PBTS-11-1/0	11	1/0-14 AWG	7.248	1.62	1.63	3/16
PBTS-12-1/0	12	1/0-14 AWG	7.873	1.62	1.63	3/16
PBTS-13-1/0	13	1/0-14 AWG	8.498	1.62	1.63	3/16
PBTS-14-1/0	14	1/0-14 AWG	9.123	1.53	1.63	3/16
PBTS-2-3/0	2	3/0-6	1.89	1.58	1.86	1/4
PBTS-3-3/0	3	3/0-6	2.65	1.58	1.86	1/4
PBTS-4-3/0	4	3/0-6	3.42	1.58	1.86	1/4
PBTS-5-3/0	5	3/0-6	4.18	1.58	1.86	1/4
PBTS-6-3/0	6	3/0-6	4.95	1.58	1.86	1/4
PBTS-7-3/0	7	3/0-6 AWG	5.71	1.726	1.86	1/4
PBTS-8-3/0	8	3/0-6 AWG	6.48	1.726	1.86	1/4
PBTS-9-3/0	9	3/0-6 AWG	7.24	1.726	1.86	1/4
PBTS-10-3/0	10	3/0-6 AWG	8	1.726	1.86	1/4
PBTS-11-3/0	11	3/0-6 AWG	8.77	1.726	1.86	1/4
PBTS-12-3/0	12	3/0-6 AWG	9.54	1.726	1.86	1/4
PBTS-13-3/0	13	3/0-6 AWG	10.3	1.726	1.86	1/4
PBTS-14-3/0	14	3/0-6 AWG	11.07	1.726	1.86	1/4

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.
For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.
Replacement caps & plugs available. Consult Factory Tested to UL 486A/B, UL File E6207

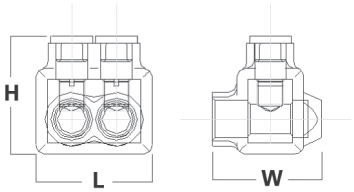
NIMBUS®
Insulated Multi-Tap Connectors
Single Sided Entry

RoHS Compliant | UL LISTED 453G | CSA LR-29601

TYPE
PBTS

Features
- Broad wire range: 750kcmil-14
- UL Listed and CSA Certified for 600 volts, 90˚ C
- Dual rated
- Cold temperature rated to -45˚ C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®

Benefits
- Flexibility in the field
- Ensures reliability
- For copper or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming



D

Catalog Number	No. of Ports	Wire Range	Dimensions			Hex Size
			L	W	H	
PBTS-2-250	2	250kcmil-6	2.17	1.91	2.17	5/16
PBTS-3-250	3	250kcmil-6	3.07	1.91	2.17	5/16
PBTS-4-250	4	250kcmil-6	3.96	1.91	2.17	5/16
PBTS-5-250	5	250kcmil-6	4.85	1.91	2.17	5/16
PBTS-6-250	6	250kcmil-6	5.75	1.91	2.17	5/16
PBTS-7-250	7	250 kcmil-6 AWG	6.744	1.94	2.041	5/16
PBTS-8-250	8	250 kcmil-6 AWG	7.674	1.94	2.041	5/16
PBTS-9-250	9	250 kcmil-6 AWG	8.604	1.94	2.041	5/16
PBTS-10-250	10	250 kcmil-6 AWG	9.534	1.94	2.041	5/16
PBTS-11-250	11	250 kcmil-6 AWG	10.464	1.94	2.041	5/16
PBTS-12-250	12	250 kcmil-6 AWG	11.394	1.94	2.041	5/16
PBTS-13-250	13	250 kcmil-6 AWG	12.334	1.94	2.041	5/16
PBTS-14-250	14	250 kcmil-6 AWG	13.254	1.94	2.041	5/16
PBTS-2-350	2	350kcmil-6	2.51	2.03	2.62	5/16
PBTS-3-350	3	350kcmil-6	3.56	2.03	2.62	5/16
PBTS-4-350	4	350kcmil-6	4.61	2.03	2.62	5/16
PBTS-5-350	5	350kcmil-6	5.66	2.03	2.62	5/16
PBTS-6-350	6	350kcmil-6	6.71	2.03	2.62	5/16
PBTS-7-350	7	350 kcmil-6 AWG	8.31	2.414	2.62	5/16
PBTS-8-350	8	350 kcmil-6 AWG	9.466	2.414	2.62	5/16
PBTS-9-350	9	350 kcmil-6 AWG	10.622	2.414	2.62	5/16
PBTS-10-350	10	350 kcmil-6 AWG	11.778	2.414	2.62	5/16
PBTS-11-350	11	350 kcmil-6 AWG	12.934	2.414	2.62	5/16
PBTS-12-350	12	350 kcmil-6 AWG	14.09	2.414	2.62	5/16
PBTS-13-350	13	350 kcmil-6 AWG	15.246	2.414	2.62	5/16
PBTS-14-350	14	350 kcmil-6 AWG	16.402	2.414	2.62	5/16

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.
For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.
Replacement caps & plugs available. Consult Factory
Tested to UL 486A/B, UL File E6207

4730 Madison Road, Cincinnati OH 45227-1426 | PH: 513.533.6200 | FAX: 513.871.4084 | www.ilsco.com
In Canada: 615 B Orwell Street, Mississauga, Ontario, Canada L5A 2W4 | PH: 905.274.2341 | FAX: 905.279.2682

NIMBUS®
Insulated Multi-Tap Connectors
Single Sided Entry

RoHS Compliant

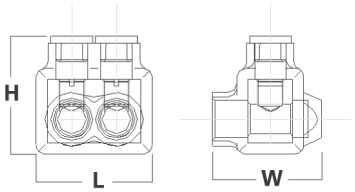
UL LISTED 453G

SA LR-29601

TYPE
PBTS

Features
- Broad wire range: 750kcmil-14
- UL Listed and CSA Certified for 600 volts, 90˚ C
- Dual rated
- Cold temperature rated to -45˚ C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®

Benefits
- Flexibility in the field
- Ensures reliability
- For copper or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming



D

Catalog Number	No. of Ports	Wire Range	Dimensions			Hex Size
			L	W	H	
PBTS-2-500	2	600kcmil-4	2.97	2.28	3.04	3/8
PBTS-3-500	3	600kcmil-4	4.12	2.58	3.04	3/8
PBTS-4-500	4	600kcmil-4	5.28	2.28	3.04	3/8
PBTS-5-500	5	600kcmil-4	6.44	2.28	3.04	3/8
PBTS-6-500	6	600kcmil-4	7.59	2.28	3.04	3/8
PBTS-7-500	7	600 kcmil-4 AWG	9.186	2.484	3.034	3/8
PBTS-8-500	8	600 kcmil-4 AWG	10.467	2.484	3.034	3/8
PBTS-9-500	9	600 kcmil-4 AWG	11.748	2.484	3.034	3/8
PBTS-10-500	10	600 kcmil-4 AWG	13.029	2.484	3.034	3/8
PBTS-11-500	11	600 kcmil-4 AWG	14.31	2.484	3.034	3/8
PBTS-12-500	12	600 kcmil-4 AWG	15.591	2.484	3.034	3/8
PBTS-13-500	13	600 kcmil-4 AWG	16.872	2.484	3.034	3/8
PBTS-14-500	14	600 kcmil-4 AWG	18.153	2.484	3.034	3/8
PBTS-2-750	2	750kcmil-250kcmil	3.47	2.75	3.31	1/2
PBTS-3-750	3	750kcmil-250kcmil	4.89	2.75	3.31	1/2
PBTS-4-750	4	750kcmil-250kcmil	6.32	2.75	3.31	1/2
PBTS-5-750	5	750kcmil-250kcmil	7.74	2.75	3.31	1/2
PBTS-6-750	6	750kcmil-250kcmil	9.16	2.75	3.31	1/2
PBTS-7-750	7	750 kcmil-250 kcmil	11.14	2.89	3.206	1/2
PBTS-8-750	8	750 kcmil-250 kcmil	13.7	2.89	3.206	1/2
PBTS-9-750	9	750 kcmil-250 kcmil	14.26	2.89	3.206	1/2
PBTS-10-750	10	750 kcmil-250 kcmil	15.82	2.89	3.206	1/2
PBTS-11-750	11	750 kcmil-250 kcmil	17.38	2.89	3.206	1/2
PBTS-12-750	12	750 kcmil-250 kcmil	18.94	2.89	3.206	1/2
PBTS-13-750	13	750 kcmil-250 kcmil	20.5	2.89	3.206	1/2
PBTS-14-750	14	750 kcmil-250 kcmil	28.06	2.89	3.206	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
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NIMBUS® Mountable
Insulated Multi-Tap Connectors
Dual Sided Entry

RoHS Compliant | UL LISTED 453G | CSA LR-29601

TYPE
PBTM

Features
- Mountable
- Broad wire range: 750kcmil-6
- UL Listed and CSA Certified for 600 volts, 90˚ C
- Dual rated
- Cold temperature rated to -45˚ C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®

Benefits
- Isolated mounting in trough, wire way or panels
- Flexibility in the field
- Ensures reliability
- For copper or aluminum conductor
- Application variability
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- UV Rated
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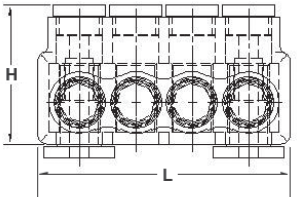

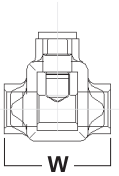

D

Catalog Number	No. of Ports	Wire Range	Dimensions			Hex Size	Mounting Holes
			L	W	H		
PBTD-2-3/0-M	2	3/0-6	3.42	1.68	1.86	3/16	1/4
PBTD-3-3/0-M	3	3/0-6	4.18	1.68	1.86	3/16	1/4
PBTD-4-3/0-M	4	3/0-6	4.95	1.68	1.86	3/16	1/4
PBTD-5-3/0-M	5	3/0-6	5.71	1.68	1.86	3/16	1/4
PBTD-6-3/0-M	6	3/0-6	6.48	1.68	1.86	3/16	1/4
PBTD-7-3/0-M	7	3/0-6 AWG	7.24	2.277	2.175	1/4	1/4
PBTD-8-3/0-M	8	3/0-6 AWG	8.01	2.277	2.175	1/4	1/4
PBTD-9-3/0-M	9	3/0-6 AWG	8.77	2.277	2.175	1/4	1/4
PBTD-10-3/0-M	10	3/0-6 AWG	9.54	2.277	2.175	1/4	1/4
PBTD-11-3/0-M	11	3/0-6 AWG	10.3	2.277	2.175	1/4	1/4
PBTD-12-3/0-M	12	3/0-6 AWG	11.07	2.277	2.175	1/4	1/4
PBTD-2-250-M	2	250kcmil-6	3.96	2.13	2.17	5/16	1/4
PBTD-3-250-M	3	250kcmil-6	4.85	2.13	2.17	5/16	1/4
PBTD-4-250-M	4	250kcmil-6	5.75	2.13	2.17	5/16	1/4
PBTD-5-250-M	5	250kcmil-6	6.64	2.13	2.17	5/16	1/4
PBTD-6-250-M	6	250kcmil-6	7.53	2.13	2.17	5/16	1/4
PBTD-7-250-M	7	250 kcmil-6 AWG	8.62	2.318	2.197	5/16	1/4
PBTD-8-250-M	8	250 kcmil-6 AWG	9.56	2.318	2.197	5/16	1/4
PBTD-9-250-M	9	250 kcmil-6 AWG	10.48	2.318	2.197	5/16	1/4
PBTD-10-250-M	10	250 kcmil-6 AWG	11.41	2.318	2.197	5/16	1/4
PBTD-11-250-M	11	250 kcmil-6 AWG	12.34	2.318	2.197	5/16	1/4
PBTD-12-250-M	12	250 kcmil-6 AWG	12.89	2.13	2.17	5/16	1/4
PBTD-2-350-M	2	350kcmil-6	4.61	2.25	2.62	5/16	5/16
PBTD-3-350-M	3	350kcmil-6	5.67	2.25	2.62	5/16	5/16
PBTD-4-350-M	4	350kcmil-6	6.71	2.25	2.62	5/16	5/16
PBTD-5-350-M	5	350kcmil-6	7.76	2.25	2.62	5/16	5/16
PBTD-6-350-M	6	350kcmil-6	8.81	2.25	2.62	5/16	5/16
PBTD-7-350-M	7	350 kcmil-6 AWG	10.622	2.578	2.583	5/16	5/16
PBTD-8-350-M	8	350 kcmil-6 AWG	11.778	2.578	2.583	5/16	5/16
PBTD-9-350-M	9	350 kcmil-6 AWG	12.934	2.578	2.583	5/16	5/16
PBTD-10-350-M	10	350 kcmil-6 AWG	14.09	2.578	2.583	5/16	5/16
PBTD-11-350-M	11	350 kcmil-6 AWG	15.246	2.578	2.583	5/16	5/16
PBTD-12-350-M	12	350 kcmil-6 AWG	16.402	2.578	2.583	5/16	5/16

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
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Dual Sided Entry

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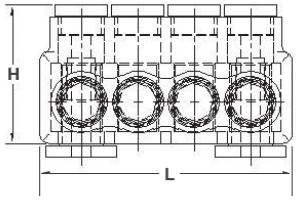

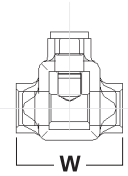

D

Catalog Number	No. of Ports	Wire Range	Dimensions			Hex Size	Mounting Holes
			L	W	H		
PBTD-2-500-M	2	600kcmil-4	5.28	2.63	3.04	3/8	5/16
PBTD-3-500-M	3	600kcmil-4	6.44	2.63	3.04	3/8	5/16
PBTD-4-500-M	4	600kcmil-4	7.59	2.63	3.04	3/8	5/16
PBTD-5-500-M	5	600kcmil-4	8.75	2.63	3.04	3/8	5/16
PBTD-6-500-M	6	600kcmil-4	9.90	2.63	3.04	3/8	5/16
PBTD-7-500-M	7	600 kcmil-4 AWG	11.748	3.031	3.19	3/8	5/16
PBTD-8-500-M	8	600 kcmil-4 AWG	13.029	3.031	3.19	3/8	5/16
PBTD-9-500-M	9	600 kcmil-4 AWG	14.31	3.031	3.19	3/8	5/16
PBTD-10-500-M	10	600 kcmil-4 AWG	15.591	3.031	3.19	3/8	5/16
PBTD-11-500-M	11	600 kcmil-4 AWG	16.872	3.031	3.19	3/8	5/16
PBTD-12-500-M	12	600 kcmil-4 AWG	18.153	3.031	3.19	3/8	5/16
PBTD-2-750-M	2	750kcmil-250kcmil	6.32	3.25	3.31	1/2	3/8
PBTD-3-750-M	3	750kcmil-250kcmil	7.74	3.25	3.31	1/2	3/8
PBTD-4-750-M	4	750kcmil-250kcmil	9.16	3.25	3.31	1/2	3/8
PBTD-5-750-M	5	750kcmil-250kcmil	10.58	3.25	3.31	1/2	3/8
PBTD-6-750-M	6	750kcmil-250kcmil	12.00	3.25	3.31	1/2	3/8
PBTD-7-750-M	7	750 kcmil-250 kcmil	14.26	3.405	3.581	1/2	3/8
PBTD-8-750-M	8	750 kcmil-250 kcmil	15.82	3.405	3.581	1/2	3/8
PBTD-9-750-M	9	750 kcmil-250 kcmil	17.38	3.405	3.581	1/2	3/8
PBTD-10-750-M	10	750 kcmil-250 kcmil	18.94	3.405	3.581	1/2	3/8
PBTD-11-750-M	11	750 kcmil-250 kcmil	20.5	3.405	3.581	1/2	3/8
PBTD-12-750-M	12	750 kcmil-250 kcmil	22.06	3.405	3.581	1/2	3/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.
For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.
Replacement caps & plugs available. Consult Factory.
Tested to UL 486A/B, UL File E6207

Two Wire In-Line and Offset Insulated Splicer-Reducer Connectors

RoHS Compliant

UL LISTED 453G

SA LR-29601

TYPE
PBTF

Features
- Broad wire range: 750kcmil-14
- UL Listed and CSA Certified for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®
- Patented screw design
- NIMBUS Flexible caps are Reflex Blue

Benefits
- Flexibility in the field
- Ensures reliability
- For copper or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming
- Improves vibration resistance, compresses conductor without damage, eliminates ferrules
- Easy identification in the field

D

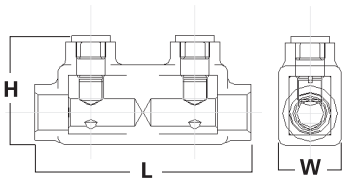

Fig. 1

Fig. 2

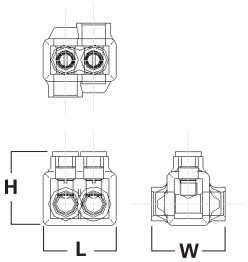

Fig. 3

Catalog Number	Fig. No.	No. of Ports	Flex Conductor Range	Alternate Conductor Range	Dimensions			Hex Size
					L	W	H	
PBT-1/0-F	1	–	1-14 H,I,K,DLO 2-14 M –	1/0-14	3.11	0.94	1.44	3/16
PBT-250-F	1	–	4/06 H,I,K 2/0-6 M 3/0-6 DLO	250kcmil-6	4.28	1.06	2.04	1/4
PBT-350-F	1	–	250kcmil-6 H,I,K 4/0-6 M 262.2-6 DLO	350kcmil-6	4.75	1.31	2.43	5/16
PBT-500-F	1	–	350kcmil-4 H,I,K 4/0-4 M 373.3-4 DLO	500kcmil-4	5.38	1.44	3.03	3/8
PBT-750-F	3	–	500kcmil-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	750kcmil-4/0	7.25	1.75	3.31	1/2
PBTO-4-F	2	2	8-14 H,I,K,M,DLO – –	4-14	1.17	1.25	1.31	1/8
PBTO-1/0-F	2	2	1-14 H,I,K,DLO – 2-14 M	1/0-14	1.63	1.63	1.63	3/16
PBTO-3/0-F	2	2	2/0-6 H,I,K,DLO – 1-6 M	3/0-6	1.89	1.68	1.86	1/4

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Per NEC Article 310-316, allowable ampacities are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 500-430 Amps, 750-535 Amps
Replacement caps & plugs available. Consult Factory
Tested to UL 486A/B, UL File E6207

4730 Madison Road, Cincinnati OH 45227-1426 | PH: 513.533.6200 | FAX: 513.871.4084 | www.ilsco.com
In Canada: 615 B Orwell Street, Mississauga, Ontario, Canada L5A 2W4 | PH: 905.274.2341 | FAX: 905.279.2682

ILSCO connections matter

NIMBUS 4 FLEX

Flexible Multi-Tap Connectors, Single Side Entry

RoHS Compliant

UL LISTED 453G

SA LR-29601

TYPE
PBTF

Features
- Broad wire range: 750kcmil-14
- UL 486A/B Listed for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®
- NIMBUS Flexible caps are Reflex Blue
- Patented screw design

Benefits
- Flexibility in the field
- Ensures reliability
- For copper, copper flex or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming
- Easy identification in the field
- Improves vibration resistance, compresses conductor without damage, eliminates the need for ferrules

D

Catalog Number	No. of Ports	Wire Range	Alternate Wire Range	Ampere Rating	Dimensions			Hex Size
					L	W	H	
PBTS-2-4-F+	2	8-14 H,I,K,M,DLO	4-14 AWG	95	1.24	1.22	1.42	1/8
PBTS-3-4-F	3	8-14 H,I,K,M,DLO	4-14 AWG	95	1.70	1.22	1.42	1/8
PBTS-4-4-F	4	8-14 H,I,K,M,DLO	4-14 AWG	95	2.16	1.22	1.42	1/8
PBTS-6-4-F	6	8-14 H,I,K,M,DLO	4-14 AWG	95	3.07	1.22	1.42	1/8
PBTS-2-1/0-F	2	1-14 H,I,K DLO 2-14 M	1/0-14 AWG	170	1.67	1.53	1.63	3/16
PBTS-3-1/0-F	3	1-14 H,I,K DLO 2-14 M	1/0-14 AWG	170	2.29	1.53	1.63	3/16
PBTS-4-1/0-F	4	1-14 H,I,K DLO 2-14 M	1/0-14 AWG	170	2.92	1.53	1.63	3/16
PBTS-6-1/0-F	6	1-14 H,I,K DLO 2-14 M	1/0-14 AWG	170	4.17	1.53	1.63	3/16
PBTS-2-3/0-F	2	2/0-6 H,I,K,DLO 1-6 M	3/0-6 AWG	225	1.89	1.58	1.86	1/4
PBTS-3-3/0-F	3	2/0-6 H,I,K,DLO 1-6 M	3/0-6 AWG	225	2.65	1.58	1.86	1/4
PBTS-4-3/0-F	4	2/0-6 H,I,K,DLO 1-6 M	3/0-6 AWG	225	3.42	1.58	1.86	1/4
PBTS-6-3/0-F	6	2/0-6 H,I,K,DLO 1-6 M	3/0-6 AWG	225	4.95	1.58	1.86	1/4
PBTS-2-250-F	2	4/0-6 H,I,K 2/0-6 M 3/0-6 DLO	250kcmil-6 AWG	290	2.17	1.91	2.17	1/4
PBTS-3-250-F	3	4/0-6 H,I,K 2/0-6 M 3/0-6 DLO	250kcmil-6 AWG	290	3.07	1.91	2.17	1/4
PBTS-4-250-F	4	4/0-6 H,I,K 2/0-6 M 3/0-6 DLO	250kcmil-6 AWG	290	3.96	1.91	2.17	1/4
PBTS-6-250-F	6	4/0-6 H,I,K 2/0-6 M 3/0-6 DLO	250kcmil-6 AWG	290	5.75	1.91	2.17	1/4
PBTS-2-350-F	2	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350kcmil-6 AWG	350	2.51	2.03	2.62	5/16
PBTS-3-350-F	3	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350kcmil-6 AWG	350	3.56	2.03	2.62	5/16
PBTS-4-350-F	4	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350kcmil-6 AWG	350	4.61	2.03	2.62	5/16
PBTS-6-350-F	6	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350kcmil-6 AWG	350	6.71	2.03	2.62	5/16
PBTS-2-500-F	2	350-4 H,I,K 4/0-4 M 373.7-4 DLO	600kcmil-4 AWG	475	2.78	2.38	3.03	3/8
PBTS-3-500-F	3	350-4 H,I,K 4/0-4 M 373.7-4 DLO	600kcmil-4 AWG	475	4.06	2.38	3.03	3/8
PBTS-4-500-F	4	350-4 H,I,K 4/0-4 M 373.7-4 DLO	600kcmil-4 AWG	475	5.34	2.38	3.03	3/8
PBTS-6-500-F	6	350-4 H,I,K 4/0-4 M 373.7-4 DLO	600kcmil-4 AWG	475	7.91	2.38	3.03	3/8
PBTS-2-750-F	2	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	750kcmil-4/0 AWG	535	3.34	2.69	3.06	1/2
PBTS-3-750-F	3	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	750kcmil-4/0 AWG	535	4.90	2.69	3.06	1/2
PBTS-4-750-F	4	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	750kcmil-4/0 AWG	535	6.46	2.69	3.06	1/2
PBTS-6-750-F	6	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	750kcmil-4/0 AWG	535	9.58	2.69	3.06	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.
For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.
Tested to UL 486A/B, UL File E6207 +Standard hex screw

ILSCO connections matter

NIMBUS 4 FLEX

Flexible Multi-Tap Connectors, Dual Sided Entry

RoHS Compliant

UL LISTED 453G

SA LR-29601

TYPE
PBTF

Features
- Broad wire range: 750kcmil-14
- UL 486A/B Listed for 600 volts, 90˚ C
- Dual rated
- Cold temperature rated to -45˚ C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®
- NIMBUS Flexible caps are Reflex Blue
- Patented screw design

Benefits
- Flexibility in the field
- Ensures reliability
- For copper, copper flex or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming
- Easy identification in the field
- Improves vibration resistance, compresses conductor without damage, eliminates the need for ferrules

D

Catalog Number	No. of Ports	Wire Range	Alternate Wire Range	Ampere Rating	Dimensions			Hex Size
					L	W	H	
PBTD-2-4-F+	2	8-14 H,I,K,M,DLO	4-14 AWG	95	1.24	1.25	1.42	1/8
PBTD-3-4-F	3	8-14 H,I,K,M,DLO	4-14 AWG	95	1.70	1.25	1.42	1/8
PBTD-4-4-F	4	8-14 H,I,K,M,DLO	4-14 AWG	95	2.16	1.25	1.42	1/8
PBTD-6-4-F	6	8-14 H,I,K,M,DLO	4-14 AWG	95	3.07	1.24	1.42	1/8
PBTD-2-1/0-F	2	1-14 H,I,K DLO 2-14 M	1/0-14 AWG	170	1.67	1.63	1.63	3/16
PBTD-3-1/0-F	3	1-14 H,I,K DLO 2-14 M	1/0-14 AWG	170	2.29	1.63	1.63	3/16
PBTD-4-1/0-F	4	1-14 H,I,K DLO 2-14 M	1/0-14 AWG	170	2.92	1.63	1.63	3/16
PBTD-6-1/0-F	6	1-14 H,I,K DLO 2-14 M	1/0-14 AWG	170	4.17	1.63	1.63	3/16
PBTD-2-3/0-F	2	2/0-6 H,I,K,DLO 1-6 M	3/0-6 AWG	225	1.89	1.68	1.86	1/4
PBTD-3-3/0-F	3	2/0-6 H,I,K,DLO 1-6 M	3/0-6 AWG	225	2.65	1.68	1.86	1/4
PBTD-4-3/0-F	4	2/0-6 H,I,K,DLO 1-6 M	3/0-6 AWG	225	3.42	1.68	1.86	1/4
PBTD-6-3/0-F	6	2/0-6 H,I,K,DLO 1-6 M	3/0-6 AWG	225	4.95	1.68	1.86	1/4
PBTD-2-250-F	2	4/0-6 H,I,K 2/0-6 M 3/0-6 DLO	250kcmil-6 AWG	290	2.17	2.13	2.17	1/4
PBTD-3-250-F	3	4/0-6 H,I,K 2/0-6 M 3/0-6 DLO	250kcmil-6 AWG	290	3.07	2.13	2.17	1/4
PBTD-4-250-F	4	4/0-6 H,I,K 2/0-6 M 3/0-6 DLO	250kcmil-6 AWG	290	3.96	2.13	2.17	1/4
PBTD-6-250-F	6	4/0-6 H,I,K 2/0-6 M 3/0-6 DLO	250kcmil-6 AWG	290	5.75	2.13	2.17	1/4
PBTD-2-350-F	2	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350kcmil-6 AWG	350	2.51	2.25	2.62	5/16
PBTD-3-350-F	3	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350kcmil-6 AWG	350	3.56	2.25	2.62	5/16
PBTD-4-350-F	4	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350kcmil-6 AWG	350	4.61	2.25	2.62	5/16
PBTD-6-350-F	6	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350kcmil-6 AWG	350	6.71	2.25	2.62	5/16
PBTD-2-500-F	2	350-4 H,I,K 4/0-4 M 373.7-4 DLO	600kcmil-4 AWG	475	2.47	2.63	2.63	3/8
PBTD-3-500-F	3	350-4 H,I,K 4/0-4 M 373.7-4 DLO	600kcmil-4 AWG	475	3.75	2.63	2.63	3/8
PBTD-4-500-F	4	350-4 H,I,K 4/0-4 M 373.7-4 DLO	600kcmil-4 AWG	475	5.03	2.63	2.63	3/8
PBTD-6-500-F	6	350-4 H,I,K 4/0-4 M 373.7-4 DLO	600kcmil-4 AWG	475	7.59	2.63	2.63	3/8
PBTD-2-750-F	2	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	750kcmil-4/0 AWG	535	3.34	3.25	3.21	1/2
PBTD-3-750-F	3	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	750kcmil-4/0 AWG	535	4.90	3.25	3.21	1/2
PBTD-4-750-F	4	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	750kcmil-4/0 AWG	535	6.46	3.25	3.21	1/2
PBTD-6-750-F	6	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	750kcmil-4/0 AWG	535	9.58	3.25	3.21	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows:
#4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.
For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.
Tested to UL 486A/B, UL File E6207 +Standard hex screw

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In Canada: 615 B Orwell Street, Mississauga, Ontario, Canada L5A 2W4 | PH: 905.274.2341 | FAX: 905.279.2682

Mountable Flexible Multi-Tap Connectors, Dual Sided Entry

RoHS Compliant

UL LISTED 453G

SA LR-29601

TYPE
PBTF

Features
- Broad wire range: 750kcmil-14
- UL 486A/B Listed for 600 volts, 90˚ C
- Dual rated
- Cold temperature rated to -45˚ C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®
- NIMBUS Flexible caps are Reflex Blue
- Patented screw design

Benefits
- Flexibility in the field
- Ensures reliability
- For copper, copper flex or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming
- Easy identification in the field
- Improves vibration resistance, compresses conductor without damage, eliminates the need for ferrules

D

Catalog Number	No. of Ports*	Wire Range	Alternate Wire Range	Ampere Rating	Dimensions			Hex Size
					L	W	H	
PBTD-2-3/0-M-F	2	2/0-6 H,I,K,DLO 1-6 M	3/0-6 AWG	225	3.42	1.68	1.86	1/4
PBTD-3-3/0-M-F	3	2/0-6 H,I,K,DLO 1-6 M	3/0-6 AWG	225	4.18	1.68	1.86	1/4
PBTD-4-3/0-M-F	4	2/0-6 H,I,K,DLO 1-6 M	3/0-6 AWG	225	4.95	1.68	1.86	1/4
PBTD-6-3/0-M-F	6	2/0-6 H,I,K,DLO 1-6 M	3/0-6 AWG	225	6.48	1.68	1.86	1/4
PBTD-2-250-M-F	2	4/0-6 H,I,K 2/0-6 M 3/0-6 DLO	250kcmil-6 AWG	290	3.96	2.13	2.17	5/16
PBTD-3-250-M-F	3	4/0-6 H,I,K 2/0-6 M 3/0-6 DLO	250kcmil-6 AWG	290	4.85	2.13	2.17	5/16
PBTD-4-250-M-F	4	4/0-6 H,I,K 2/0-6 M 3/0-6 DLO	250kcmil-6 AWG	290	5.73	2.13	2.17	5/16
PBTD-6-250-M-F	6	4/0-6 H,I,K 2/0-6 M 3/0-6 DLO	250kcmil-6 AWG	290	7.53	2.13	2.17	5/16
PBTD-2-350-M-F	2	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350kcmil-6 AWG	350	4.61	2.25	2.62	5/16
PBTD-3-350-M-F	3	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350kcmil-6 AWG	350	5.67	2.25	2.62	5/16
PBTD-4-350-M-F	4	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350kcmil-6 AWG	350	6.71	2.25	2.62	5/16
PBTD-6-350-M-F	6	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350kcmil-6 AWG	350	8.81	2.25	2.62	5/16
PBTD-2-500-M-F	2	350-4 H,I,K 4/0-4 M 373.7-4 DLO	600kcmil-4 AWG	475	5.34	3.03	3.20	3/8
PBTD-3-500-M-F	3	350-4 H,I,K 4/0-4 M 373.7-4 DLO	600kcmil-4 AWG	475	6.62	3.03	3.20	3/8
PBTD-4-500-M-F	4	350-4 H,I,K 4/0-4 M 373.7-4 DLO	600kcmil-4 AWG	475	7.41	3.03	3.20	3/8
PBTD-6-500-M-F	6	350-4 H,I,K 4/0-4 M 373.7-4 DLO	600kcmil-4 AWG	475	10.47	3.03	3.20	3/8
PBTD-2-750-M-F	2	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	750kcmil-4/0 AWG	535	6.46	3.25	3.58	1/2
PBTD-3-750-M-F	3	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	750kcmil-4/0 AWG	535	8.02	3.25	3.58	1/2
PBTD-4-750-M-F	4	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	750kcmil-4/0 AWG	535	9.58	3.25	3.58	1/2
PBTD-6-750-M-F	6	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	750kcmil-4/0 AWG	535	12.70	3.25	3.58	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.
For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.
Tested to UL 486A/B, UL File E6207

Insulated Multi-Tap Connectors

NIMBUS 4 FLEX SHAPES

RoHS Compliant

UL LISTED 453G

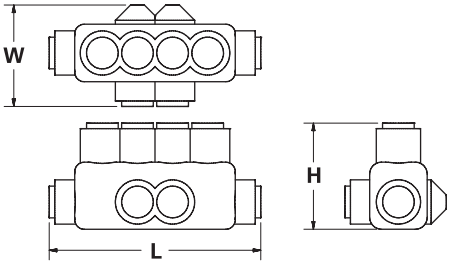
SA LR-29601

TYPE
PBTT

Features
- Accepts building code and fine stranded (flexible)
- conductor
- UL 486A/B Listed for 600 volts, 90˚ C
- Dual rated
- Cold temperature rated to -45˚ C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®
- NIMBUS Flexible caps are Reflex Blue
- Patented screw design
- Configuration suited to applications with restricted space

Benefits
- Versatility
- Ensures reliability
- For copper, copper flex or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming
- Easy identification in the field
- Improves vibration resistance, compresses conductor without damage, eliminates the need for ferrules
- More variability with less space

D



Catalog Number	No. of Ports*	Wire Range	Alternate Wire Range	Ampere Rating	Dimensions			Hex Size
					L	W	H	
PBTT-3-350-F	3	350kcmil-6 AWG	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350	3.3750	2.0310	2.4300	5/16
PBTT-4-350-F	4	350kcmil-6 AWG	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350	4.5310	2.0300	2.4300	5/16
PBTT-3-500-F	3	600kcmil-4 AWG	350-4 H,I,K 4/0-4 M 373.7-4 DLO	430	3.7500	2.2500	3.0000	3/8
PBTT-4-500-F	4	600kcmil-4 AWG	350-4 H,I,K 4/0-4 M 373.7-4 DLO	430	5.0310	2.2500	3.0000	3/8
PBTT-3-750-F	3	750kcmil-4/0 AWG	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	535	3.7500	2.2500	3.1800	1/2
PBTT-4-750-F	4	750kcmil-4/0 AWG	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	535	5.0310	2.2500	3.1800	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.
For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.
Tested to UL 486A/B, UL File E6207

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Insulated Multi-Tap Connectors

NIMBUS 4 FLEX SHAPES

RoHS Compliant

UL LISTED 453G

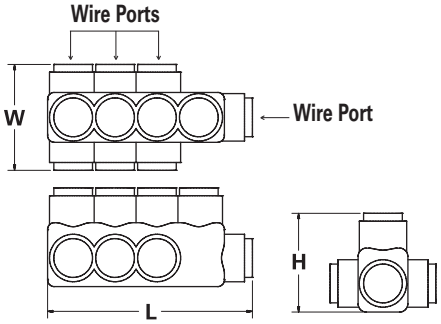
SA LR-29601

TYPE
PBTL

Features
- Accepts building code and fine stranded (flexible)
- conductor
- UL 486A/B Listed for 600 volts, 90˚ C
- Dual rated
- Cold temperature rated to -45˚ C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®
- NIMBUS Flexible caps are Reflex Blue
- Patented screw design
- Configuration suited to applications with restricted space

Benefits
- Versatility
- Ensures reliability
- For copper, copper flex or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming
- Easy identification in the field
- Improves vibration resistance, compresses conductor without damage, eliminates the need for ferrules
- More variability with less space

D



Catalog Number	No. of Ports*	Wire Range	Alternate Wire Range	Ampere Rating	Dimensions			Hex Size
					L	W	H	
PBTL-2-350-F	2	350kcmil-6 AWG	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350	2.2180	2.2500	2.4300	5/16
PBTL-3-350-F	3	350kcmil-6 AWG	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350	3.3740	2.2500	2.4300	5/16
PBTL-4-350-F	4	350kcmil-6 AWG	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350	4.5300	2.2500	2.4300	5/16
PBTL-2-500-F	2	600kcmil-4 AWG	350-4 H,I,K 4/0-4 M 373.7-4 DLO	430	2.4690	2.6250	3.0000	3/8
PBTL-3-500-F	3	600kcmil-4 AWG	350-4 H,I,K 4/0-4 M 373.7-4 DLO	430	3.7500	2.6250	3.0000	3/8
PBTL-4-500-F	4	600kcmil-4 AWG	350-4 H,I,K 4/0-4 M 373.7-4 DLO	430	5.0310	2.6250	3.0000	1/4
PBTL-2-750-F	2	750kcmil-4/0 AWG	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	535	3.0280	3.2490	3.1800	1/2
PBTL-3-750-F	3	750kcmil-4/0 AWG	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	535	4.5880	3.2490	3.1800	1/2
PBTL-4-750-F	4	750kcmil-4/0 AWG	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	535	6.1480	3.2490	2.4300	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.
For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.
Tested to UL 486A/B, UL File E6207

NIMBUS 4 FLEX SHAPES Insulated Multi-Tap Connectors

RoHS Compliant

UL LISTED 453G

SA LR-29601

TYPE
PBTX

Features
- Accepts building code and fine stranded (flexible)
- conductor
- UL 486A/B Listed for 600 volts, 90˚ C
- Dual rated
- Cold temperature rated to -45˚ C
- High dielectric strength plastisol
- Black cover
- Removable plugs
- Prefilled with De-ox®
- NIMBUS Flexible caps are Reflex Blue
- Patented screw design
- Configuration suited to applications with restricted space

Benefits
- Versatility
- Ensures reliability
- For copper, copper flex or aluminum conductor
- Application variability
- Chemical resistant
- UV Rated
- Entry port closure
- Prevents oxides from forming
- Easy identification in the field
- Improves vibration resistance, compresses conductor without damage, eliminates the need for ferrules
- More variability with less space

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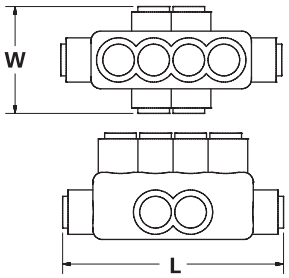

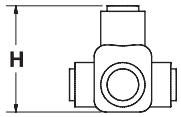

Catalog Number	No. of Ports*	Wire Range	Alternate Wire Range	Ampere Rating	Dimensions			Hex Size
					L	W	H	
PBTX-4-350-F	4	350kcmil-6 AWG	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350	4.5310	2.5800	2.4300	5/16
PBTX-4-500-F	4	600kcmil-4 AWG	350-4 H,I,K 4/0-4 M 373.7-4 DLO	430	5.0310	2.6520	3.0000	3/8
PBTX-4-750-F	4	750kcmil-4/0 AWG	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	535	6.1480	3.2490	3.1800	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.
For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.
Tested to UL 486A/B, UL File E6207

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Multi-Tap Connectors, Dual Sided Entry

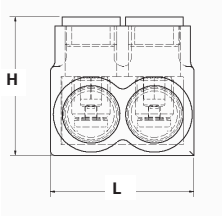
RoHS Compliant

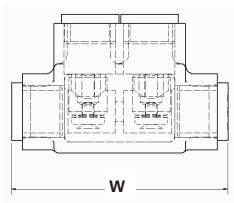
c UL us LISTED 453G

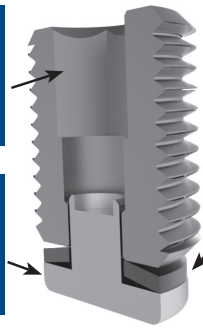
TYPE
PBT2

Features
- Fully rated per NEC
- Line side is isolated from load side by wire stop
- Patented screw design
- Broad wire range: 750kcmil-6
- UL 486A/B Listed for 600 volts, 90˚ C
- Dual rated
- Cold temperature rated to -45˚ C
- High dielectric strength plastisol
- Prefilled with De-ox® oxide inhibiting compound
- NIMBUS 4 Flex caps are Reflex Blue

Benefits
- All wire ports can be used
- Accepts mixed classes of conductor
- Improves vibration resistance, compresses conductor without damage, eliminates the need for ferrules, making it reusable
- Flexibility in the field
- Ensures reliability
- For copper, copper flex or aluminum conductor
- Application variability
- Chemical resistant
- Prevents oxides from forming
- Easy identification in the field







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Catalog Number	No. of Ports*	Wire Range	Alternate Wire Range	Dimensions - in (mm) L	W	H	Hex Size
PBT2-4-250-F	4	4/0-6 H,I,K 2/0-6 M 3/0-6 DLO	250kcmil-6	1.798 (45.7)	3.188 (81.0)	2.041 (51.8)	5/16
PBT2-6-250-F	6	4/0-6 H,I,K 2/0-6 M 3/0-6 DLO	250kcmil-6	2.712 (68.9)	3.188 (81.0)	2.041 (51.8)	5/16
PBT2-8-250-F	8	4/0-6 H,I,K 2/0-6 M 3/0-6 DLO	250kcmil-6	3.642 (92.5)	3.188 (81.0)	2.041 (51.8)	5/16
PBT2-10-250-F	10	4/0-6 H,I,K 2/0-6 M 3/0-6 DLO	250kcmil-6	4.572 (116.1)	3.188 (81.0)	2.041 (51.8)	5/16
PBT2-12-250-F	12	4/0-6 H,I,K 2/0-6 M 3/0-6 DLO	250kcmil-6	5.502 (139.8)	3.188 (81.0)	2.041 (51.8)	5/16
PBT2-4-350-F	4	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350kcmil-6	2.218 (56.3)	3.708 (94.2)	2.281 (57.9)	5/16
PBT2-6-350-F	6	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350kcmil-6	3.374 (85.7)	3.708 (94.2)	2.281 (57.9)	5/16
PBT2-8-350-F	8	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350kcmil-6	4.530 (115.1)	3.708 (94.2)	2.281 (57.9)	5/16
PBT2-10-350-F	10	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350kcmil-6	5.686 (144.4)	3.708 (94.2)	2.281 (57.9)	5/16
PBT2-12-350-F	12	250-6 H,I,K 4/0-6 M 262.2-6 DLO	350kcmil-6	6.842 (173.8)	3.708 (94.2)	2.281 (57.9)	5/16
PBT2-4-600-F	4	350-4 H,I,K 4/0-4 M 373.7-4 DLO	600kcmil-4	2.781 (70.6)	4.281 (108.7)	3.034 (77.1)	3/8
PBT2-6-600-F	6	350-4 H,I,K 4/0-4 M 373.7-4 DLO	600kcmil-4	4.062 (103.2)	4.281 (108.7)	3.034 (77.1)	3/8
PBT2-8-600-F	8	350-4 H,I,K 4/0-4 M 373.7-4 DLO	600kcmil-4	5.343 (135.7)	4.281 (108.7)	3.034 (77.1)	3/8
PBT2-10-600-F	10	350-4 H,I,K 4/0-4 M 373.7-4 DLO	600kcmil-4	6.624 (168.2)	4.281 (108.7)	3.034 (77.1)	3/8
PBT2-12-600-F	12	350-4 H,I,K 4/0-4 M 373.7-4 DLO	600kcmil-4	7.905 (200.8)	4.281 (108.7)	3.034 (77.1)	3/8
PBT2-4-750-F	4	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	750kcmil-4/0	3.340 (84.8)	4.905 (124.6)	3.206 (81.4)	1/2
PBT2-6-750-F	6	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	750kcmil-4/0	4.900 (124.5)	4.905 (124.6)	3.206 (81.4)	1/2
PBT2-8-750-F	8	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	750kcmil-4/0	6.460 (164.1)	4.905 (124.6)	3.206 (81.4)	1/2
PBT2-10-750-F	10	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	750kcmil-4/0	8.020 (203.7)	4.905 (124.6)	3.206 (81.4)	1/2
PBT2-12-750-F	12	500-3/0 H,I,K 4/0-3/0 M 535.3-3/0 DLO	750kcmil-4/0	9.580 (243.3)	4.905 (124.6)	3.206 (81.4)	1/2

* Contact customer care for additional port configurations
All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Fully rated per NEC Article 310-316
Tested to UL 486A/B, UL File E6207

Multi-Tap Connectors

RoHS Compliant
UL LISTED 453G
SA LR-29601

TYPE
PBTI

Features
- Available with color coded screw caps
- Patented screw design
- Cold temperature rated to -45˚ C
- High dielectric strength plastisol
- Removable plugs
- Prefilled with De-ox® oxide inhibiting compound
- NIMBUS 4 Flex wire way caps are Reflex Blue
- UL 486A/B Listed for 600 volts, 90˚ C
- Dual rated

Benefits
- Simplifies motor wire-up
- Improves vibration resistance, compresses conductor without damage, eliminates the need for ferrules, making it reusable
- Application variability
- Chemical resistant
- Protect wire way from contamination
- Prevents oxides from forming
- Easy identification in the field
- Ensures reliability
- For copper, copper flex or aluminum conductor

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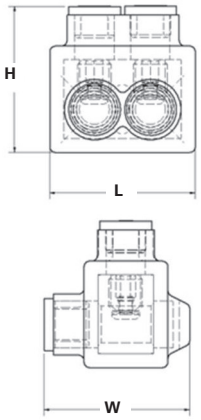

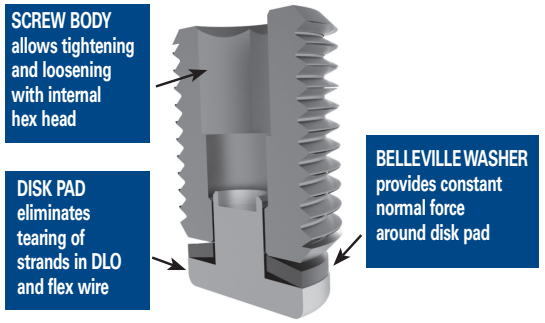

Catalog Number	No. of Ports	Wire Range	Alternate Wire Range	Dimensions - in (mm) L	W	H	Hex Size
PBTI-2-4-F*	2	8-14 H,I,K,M, DLO	4-14 AWG	1.410 (35.8)	1.257 (31.9)	1.408 (35.8)	3/16
PBTI-3-4-F*	3	8-14 H,I,K,M, DLO	4-14 AWG	2.035 (51.7)	1.257 (31.9)	1.408 (35.8)	3/16
PBTI-4-4-F*	4	8-14 H,I,K,M, DLO	4-14 AWG	2.660 (67.6)	1.257 (31.9)	1.408 (35.8)	3/16
PBTI-5-4-F*	5	8-14 H,I,K,M, DLO	4-14 AWG	3.285 (83.4)	1.257 (31.9)	1.408 (35.8)	3/16
PBTI-2-1/0-F*	2	1-14 H,I,K,DLO 2-14M	1/0-14 AWG	1.623 (41.2)	1.625 (41.3)	1.627 (41.3)	3/16
PBTI-3-1/0-F*	3	1-14 H,I,K,DLO 2-14M	1/0-14 AWG	2.248 (57.1)	1.625 (41.3)	1.627 (41.3)	3/16
PBTI-4-1/0-F*	4	1-14 H,I,K,DLO 2-14M	1/0-14 AWG	2.873 (73.0)	1.625 (41.3)	1.627 (41.3)	3/16
PBTI-5-1/0-F*	5	1-14 H,I,K,DLO 2-14M	1/0-14 AWG	3.498 (88.8)	1.625 (41.3)	1.627 (41.3)	3/16

* Each catalog number must be combined with a color code from Table to determine final catalog number for ordering (i.e. PBTI-2-4-F-*)
All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Fully rated per NEC Article 310-316
Tested to UL 486A/B, UL File E6207

Table

Color	Color Code
Blue	BLU
Red	RED
Black	BLK
Yellow	YEL
Orange	ORG
Brown	BRN
Green	GRN
White	WHT

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Multi-Tap Connectors

RoHS Compliant
UL LISTED 453G
SA LR-29601

TYPE
PBTFML

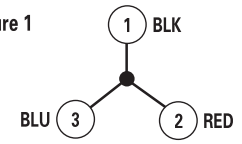
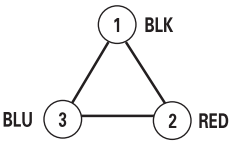
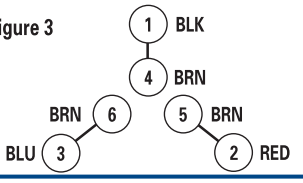
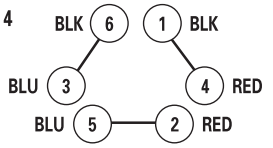
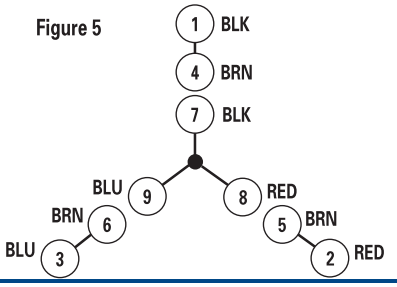
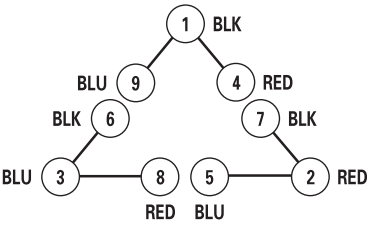
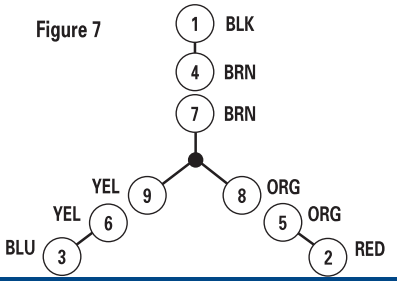
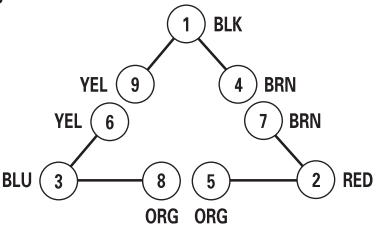
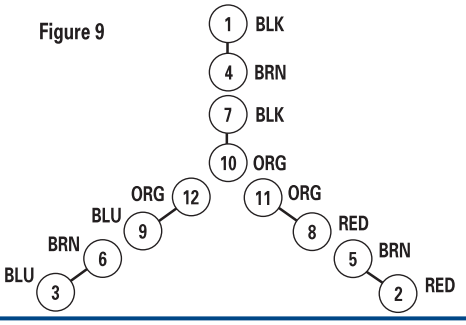
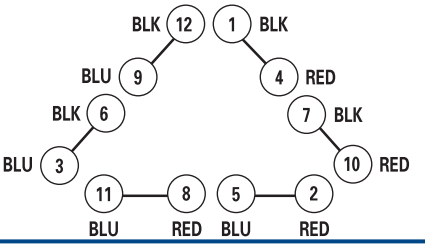
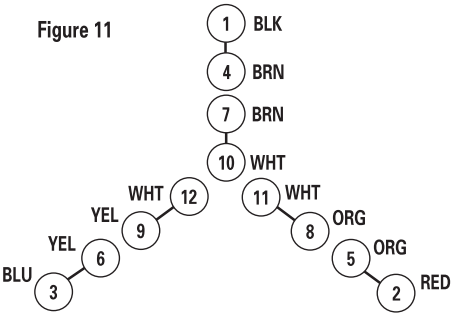
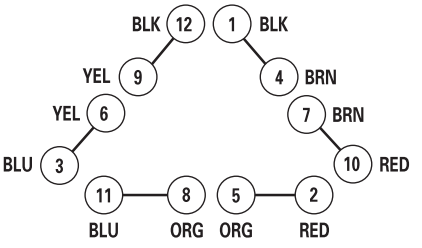
Features
- Supplied in preconfigured kits
- Simplifies Megger testing for motors
- Designed for use with fine stranded conductor
- Supplied with color coded screw caps
- Patented screw design
- UL 486A/B Listed for 600 volts, 90˚ C
- Dual rated

Benefits
- For specific motor applications, ease of ordering
- Easy disconnect/reconnect without cost of additional materials. No need for electrical tape or wire nuts
- Ideal for motor wiring connections
- Enables user-configurable installations
- Improves vibration resistance, compresses conductor without damage, eliminates the need for ferrules, making it reusable
- Ensures reliability
- For copper, copper flex or aluminum conductor

Catalog Number	Wire Range	Alternate Wire Range	Description	Number of Connectors/ Motor Leads	Wiring Diagram* Fig. No.	Hex Size
PBTFML-4-03-WD	8-14 H,I,K,M, DLO	4-14 AWG	3-PHASE 4-14 AWG 3-LEAD WYE OR DELTA	3	1 & 2	WYE or DELTA
PBTFML-4-06-W	8-14 H,I,K,M, DLO	4-14 AWG	3-PHASE 4-14 AWG 6-LEAD WYE CONNECTED MOTOR KIT	6	3	WYE
PBTFML-4-06-D	8-14 H,I,K,M, DLO	4-14 AWG	3-PHASE 4-14 AWG 6-LEAD DELTA CONNECTED MOTOR KIT	6	4	DELTA
PBTFML-4-09-W-L	8-14 H,I,K,M, DLO	4-14 AWG	3-PHASE 4-14 AWG 9-LEAD WYE CONNECTED LOW VOLTAGE MOTOR KIT	9	5	WYE
PBTFML-4-09-D-L	8-14 H,I,K,M, DLO	4-14 AWG	3-PHASE 4-14 AWG 9-LEAD DELTA CONNECTED LOW VOLTAGE MOTOR KIT	9	6	DELTA
PBTFML-4-09-WD-H	8-14 H,I,K,M, DLO	4-14 AWG	3-PHASE 4-14 AWG 9-LEAD WYE OR DELTA CONNECTED HIGH VOLTAGE MOTOR KIT	9	7 & 8	WYE or DELTA
PBTFML-4-12-W-L	8-14 H,I,K,M, DLO	4-14 AWG	3-PHASE 4-14 AWG 12-LEAD WYE CONNECTED LOW VOLTAGE MOTOR KIT	12	9	WYE
PBTFML-4-12-D-L	8-14 H,I,K,M, DLO	4-14 AWG	3-PHASE 4-14 AWG 12-LEAD DELTA CONNECTED LOW VOLTAGE MOTOR KIT	12	10	DELTA
PBTFML-4-12-W-H	8-14 H,I,K,M, DLO	4-14 AWG	3-PHASE 4-14 AWG 12-LEAD WYE CONNECTED HIGH VOLTAGE MOTOR KIT	12	11	WYE
PBTFML-4-12-D-H	8-14 H,I,K,M, DLO	4-14 AWG	3-PHASE 4-14 AWG 12-LEAD DELTA CONNECTED HIGH VOLTAGE MOTOR KIT	12	12	DELTA
PBTFML-1/0-03-WD	1-14 H,I,K, DLO 2-14M	1/0-14 AWG	3-PHASE 1/0-14 AWG 3-LEAD WYE OR DELTA CONNECTED MOTOR KIT	3	1 & 2	WYE or DELTA
PBTFML-1/0-06-W	1-14 H,I,K, DLO 2-14M	1/0-14 AWG	3-PHASE 1/0-14 AWG 6-LEAD WYE CONNECTED MOTOR KIT	6	3	WYE
PBTFML-1/0-06-D	1-14 H,I,K, DLO 2-14M	1/0-14 AWG	3-PHASE 1/0-14 AWG 6-LEAD DELTA CONNECTED MOTOR KIT	6	4	DELTA
PBTFML-1/0-09-W-L	1-14 H,I,K, DLO 2-14M	1/0-14 AWG	3-PHASE 1/0-14 AWG 9-LEAD WYE CONNECTED LOW VOLTAGE MOTOR KIT	9	5	WYE
PBTFML-1/0-09-D-L	1-14 H,I,K, DLO 2-14M	1/0-14 AWG	3-PHASE 1/0-14 AWG 9-LEAD DELTA CONNECTED LOW VOLTAGE MOTOR KIT	9	6	DELTA
PBTFML-1/0-09-WD-H	1-14 H,I,K, DLO 2-14M	1/0-14 AWG	3-PHASE 1/0-14 AWG 9-LEAD WYE OR DELTA CONNECTED HIGH VOLTAGE MOTOR KIT	9	7 & 8	WYE or DELTA
PBTFML-1/0-12-W-L	1-14 H,I,K, DLO 2-14M	1/0-14 AWG	3-PHASE 1/0-14 AWG 12-LEAD WYE CONNECTED LOW VOLTAGE MOTOR KIT	12	9	WYE
PBTFML-1/0-12-D-L	1-14 H,I,K, DLO 2-14M	1/0-14 AWG	3-PHASE 1/0-14 AWG 12-LEAD DELTA CONNECTED LOW VOLTAGE MOTOR KIT	12	10	DELTA
PBTFML-1/0-12-W-H	1-14 H,I,K, DLO 2-14M	1/0-14 AWG	3-PHASE 1/0-14 AWG 12-LEAD WYE CONNECTED HIGH VOLTAGE MOTOR KIT	12	11	WYE
PBTFML-1/0-12-D-H	1-14 H,I,K, DLO 2-14M	1/0-14 AWG	3-PHASE 1/0-14 AWG 12-LEAD DELTA CONNECTED HIGH VOLTAGE MOTOR KIT	12	12	DELTA

* Refer to wiring diagram page for details

Common 3-Phase AC Motor Wiring Diagrams

NEMA Nomenclature	WYE Connected	DELTA Connected
3-Lead Single Voltage Motor	Figure 1 	Figure 2 
6-Lead Single Voltage Motor	Figure 3 	Figure 4 
9-Lead Dual Voltage Motor Low Voltage	Figure 5 	Figure 6 
9-Lead Dual Voltage Motor High Voltage	Figure 7 	Figure 8 
12-Lead Dual Voltage Motor Low Voltage	Figure 9 	Figure 10 
12-Lead Dual Voltage Motor High Voltage	Figure 11 	Figure 12 

Always use wiring diagram supplied on motor nameplate

D

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ClearTap®
Two Wire In-Line and Offset Insulated Splicer-Reducer Connectors

RoHS Compliant

UL LISTED 453G

SA LR-29601

TYPE
ECT

Features
- Broad wire range: 750kcmil-14
- UL Listed and CSA Certified for 600 volts, 90˚ C
- Dual rated
- Cold temperature rated to -45˚ C
- High dielectric strength plastisol
- Transparent cover
- Removable plugs
- Prefilled with De-ox®

Benefits
- Flexibility in the field
- Ensures reliability
- For copper or aluminum conductor
- Application variability
- Chemical resistant
- Inspectability
- Entry port closure
- Prevents oxides from forming

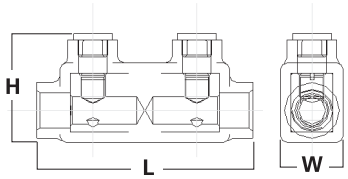

Fig. 1

Fig. 2

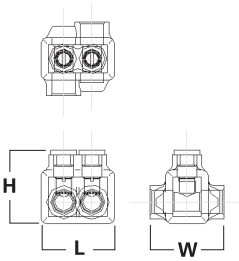

Fig. 3

D

Catalog Number	Fig. No.	No. of Ports	Conductor Range	Dimensions			Hex Size
				L	W	H	
ECT-1/0	1	-	1/0-14	3.11	0.94	1.44	3/16
ECT-250	1	-	250kcmil-6	4.28	1.06	2.04	5/16
ECT-350	1	-	350kcmil-6	4.75	1.31	2.43	5/16
ECT-500	1	-	500kcmil-4	5.38	1.44	3.03	3/8
ECT-750	3	-	750kcmil-250kcmil	7.25	1.75	3.31	3/8
ECTO-4	2	2	4-14	1.17	1.25	1.31	1/8
ECTO-1/0	2	2	1/0-14	1.63	1.63	1.63	3/16
ECTO-3/0	2	2	3/0-6	1.89	1.68	1.86	1/4

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Per NEC Article 310-316, allowable ampacities are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 500-430 Amps, 750-535 Amps
Replacement caps & plugs available. Consult Factory
Tested to UL 486A/B, UL File E6207

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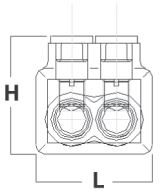

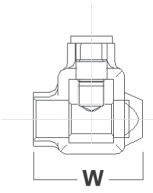

D

Catalog Number	No. of Ports	Conductor Range	Dimensions			Hex Size
			L	W	H	
ECTS-2-4	2	4-14	1.24	1.22	1.42	1/8
ECTS-3-4	3	4-14	1.70	1.22	1.42	1/8
ECTS-4-4	4	4-14	2.16	1.22	1.42	1/8
ECTS-5-4	5	4-14	2.61	1.22	1.42	1/8
ECTS-6-4	6	4-14	3.07	1.22	1.42	1/8
ECTS-7-4	7	4-14 AWG	3.458	1.32	1.379	1/8
ECTS-8-4	8	4-14 AWG	3.916	1.32	1.379	1/8
ECTS-9-4	9	4-14 AWG	4.374	1.32	1.379	1/8
ECTS-10-4	10	4-14 AWG	4.832	1.32	1.379	1/8
ECTS-11-4	11	4-14 AWG	5.29	1.32	1.379	1/8
ECTS-12-4	12	4-14 AWG	5.748	1.32	1.379	1/8
ECTS-13-4	13	4-14 AWG	6.206	1.32	1.379	1/8
ECTS-14-4	14	4-14 AWG	6.664	1.32	1.379	1/8
ECTS-2-1/0	2	1/0-14	1.67	1.53	1.63	3/16
ECTS-3-1/0	3	1/0-14	2.29	1.53	1.63	3/16
ECTS-4-1/0	4	1/0-14	2.92	1.53	1.63	3/16
ECTS-5-1/0	5	1/0-14	3.54	1.53	1.63	3/16
ECTS-6-1/0	6	1/0-14	4.17	1.53	1.63	3/16
ECTS-7-1/0	7	1/0-14 AWG	4.748	1.62	1.63	3/16
ECTS-8-1/0	8	1/0-14 AWG	5.373	1.62	1.63	3/16
ECTS-9-1/0	9	1/0-14 AWG	5.998	1.62	1.63	3/16
ECTS-10-1/0	10	1/0-14 AWG	6.67	1.53	1.63	3/16
ECTS-11-1/0	11	1/0-14 AWG	7.248	1.62	1.63	3/16
ECTS-12-1/0	12	1/0-14 AWG	7.873	1.62	1.63	3/16
ECTS-13-1/0	13	1/0-14 AWG	8.498	1.62	1.63	3/16
ECTS-14-1/0	14	1/0-14 AWG	9.123	1.53	1.63	3/16
ECTS-2-3/0	2	3/0-6	1.89	1.58	1.86	1/4
ECTS-3-3/0	3	3/0-6	2.65	1.58	1.86	1/4
ECTS-4-3/0	4	3/0-6	3.42	1.58	1.86	1/4
ECTS-5-3/0	5	3/0-6	4.18	1.58	1.86	1/4
ECTS-6-3/0	6	3/0-6	4.95	1.58	1.86	1/4
ECTS-7-3/0	7	3/0-6 AWG	5.71	1.726	1.86	1/4
ECTS-8-3/0	8	3/0-6 AWG	6.48	1.726	1.86	1/4
ECTS-9-3/0	9	3/0-6 AWG	7.24	1.726	1.86	1/4
ECTS-10-3/0	10	3/0-6 AWG	8	1.726	1.86	1/4
ECTS-11-3/0	11	3/0-6 AWG	8.77	1.726	1.86	1/4
ECTS-12-3/0	12	3/0-6 AWG	9.54	1.726	1.86	1/4
ECTS-13-3/0	13	3/0-6 AWG	10.3	1.726	1.86	1/4
ECTS-14-3/0	14	3/0-6 AWG	11.07	1.726	1.86	1/4

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps. For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17. Replacement caps & plugs available. Consult Factory Tested to UL 486A/B, UL File E6207

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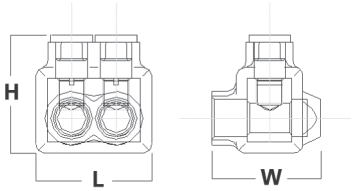

D

Catalog Number	No. of Ports	Conductor Range	Dimensions			Hex Size
			L	W	H	
ECTS-2-250	2	250kcmil-6	2.17	1.91	2.17	5/16
ECTS-3-250	3	250kcmil-6	3.07	1.91	2.17	5/16
ECTS-4-250	4	250kcmil-6	3.96	1.91	2.17	5/16
ECTS-5-250	5	250kcmil-6	4.85	1.91	2.17	5/16
ECTS-6-250	6	250kcmil-6	5.75	1.91	2.17	5/16
ECTS-7-250	7	250 kcmil-6 AWG	6.744	1.94	2.041	5/16
ECTS-8-250	8	250 kcmil-6 AWG	7.674	1.94	2.041	5/16
ECTS-9-250	9	250 kcmil-6 AWG	8.604	1.94	2.041	5/16
ECTS-10-250	10	250 kcmil-6 AWG	9.534	1.94	2.041	5/16
ECTS-11-250	11	250 kcmil-6 AWG	10.464	1.94	2.041	5/16
ECTS-12-250	12	250 kcmil-6 AWG	11.394	1.94	2.041	5/16
ECTS-13-250	13	250 kcmil-6 AWG	12.334	1.94	2.041	5/16
ECTS-14-250	14	250 kcmil-6 AWG	13.254	1.94	2.041	5/16
ECTS-2-350	2	350kcmil-6	2.51	2.03	2.62	5/16
ECTS-3-350	3	350kcmil-6	3.56	2.03	2.62	5/16
ECTS-4-350	4	350kcmil-6	4.61	2.03	2.62	5/16
ECTS-5-350	5	350kcmil-6	5.66	2.03	2.62	5/16
ECTS-6-350	6	350kcmil-6	6.71	2.03	2.62	5/16
ECTS-7-350	7	350 kcmil-6 AWG	8.31	2.414	2.62	5/16
ECTS-8-350	8	350 kcmil-6 AWG	9.466	2.414	2.62	5/16
ECTS-9-350	9	350 kcmil-6 AWG	10.622	2.414	2.62	5/16
ECTS-10-350	10	350 kcmil-6 AWG	11.778	2.414	2.62	5/16
ECTS-11-350	11	350 kcmil-6 AWG	12.934	2.414	2.62	5/16
ECTS-12-350	12	350 kcmil-6 AWG	14.09	2.414	2.62	5/16
ECTS-13-350	13	350 kcmil-6 AWG	15.246	2.414	2.62	5/16
ECTS-14-350	14	350 kcmil-6 AWG	16.402	2.414	2.62	5/16

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.
For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.
Replacement caps & plugs available. Consult Factory
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Features
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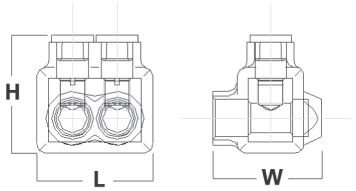

Catalog Number	No. of Ports	Conductor Range	Dimensions			Hex Size
			L	W	H	
ECTS-2-600	2	600kcmil-4	2.97	2.28	3.04	3/8
ECTS-3-600	3	600kcmil-4	4.12	2.58	3.04	3/8
ECTS-4-600	4	600kcmil-4	5.28	2.28	3.04	3/8
ECTS-5-600	5	600kcmil-4	6.44	2.28	3.04	3/8
ECTS-6-600	6	600kcmil-4	7.59	2.28	3.04	3/8
ECTS-7-600	7	600 kcmil-4 AWG	9.186	2.484	3.034	3/8
ECTS-8-600	8	600 kcmil-4 AWG	10.467	2.484	3.034	3/8
ECTS-9-600	9	600 kcmil-4 AWG	11.748	2.484	3.034	3/8
ECTS-10-600	10	600 kcmil-4 AWG	13.029	2.484	3.034	3/8
ECTS-11-600	11	600 kcmil-4 AWG	14.31	2.484	3.034	3/8
ECTS-12-600	12	600 kcmil-4 AWG	15.591	2.484	3.034	3/8
ECTS-13-600	13	600 kcmil-4 AWG	16.872	2.484	3.034	3/8
ECTS-14-600	14	600 kcmil-4 AWG	18.153	2.484	3.034	3/8
ECTS-2-750	2	750kcmil-250kcmil	3.47	2.75	3.31	1/2
ECTS-3-750	3	750kcmil-250kcmil	4.89	2.75	3.31	1/2
ECTS-4-750	4	750kcmil-250kcmil	6.32	2.75	3.31	1/2
ECTS-5-750	5	750kcmil-250kcmil	7.74	2.75	3.31	1/2
ECTS-6-750	6	750kcmil-250kcmil	9.16	2.75	3.31	1/2
ECTS-7-750	7	750 kcmil-250 kcmil	11.14	2.89	3.206	1/2
ECTS-8-750	8	750 kcmil-250 kcmil	13.7	2.89	3.206	1/2
ECTS-9-750	9	750 kcmil-250 kcmil	14.26	2.89	3.206	1/2
ECTS-10-750	10	750 kcmil-250 kcmil	15.82	2.89	3.206	1/2
ECTS-11-750	11	750 kcmil-250 kcmil	17.38	2.89	3.206	1/2
ECTS-12-750	12	750 kcmil-250 kcmil	18.94	2.89	3.206	1/2
ECTS-13-750	13	750 kcmil-250 kcmil	20.5	2.89	3.206	1/2
ECTS-14-750	14	750 kcmil-250 kcmil	28.06	2.89	3.206	1/2

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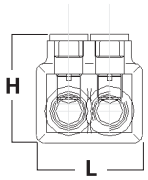
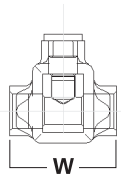
- Prevents oxides from forming





D

Catalog Number	No. of Ports	Conductor Range	Dimensions			Hex Size
			L	W	H	
ECTD-2-4	2	4-14	1.24	1.25	1.42	1/8
ECTD-3-4	3	4-14	1.70	1.25	1.42	1/8
ECTD-4-4	4	4-14	2.16	1.25	1.42	1/8
ECTD-5-4	5	4-14	2.61	1.25	1.42	1/8
ECTD-6-4	6	4-14	3.07	1.25	1.42	1/8
ECTD-7-4	7	4-14 AWG	3.53	1.394	1.42	1/8
ECTD-8-4	8	4-14 AWG	3.99	1.394	1.42	1/8
ECTD-9-4	9	4-14 AWG	4.45	1.394	1.42	1/8
ECTD-10-4	10	4-14 AWG	4.9	1.394	1.42	1/8
ECTD-11-4	11	4-14 AWG	5.36	1.394	1.42	1/8
ECTD-12-4	12	4-14 AWG	5.82	1.394	1.42	1/8
ECTD-13-4	13	4-14 AWG	6.28	1.394	1.42	1/8
ECTD-14-4	14	4-14 AWG	6.74	1.394	1.42	1/8
ECTD-2-1/0	2	1/0-14	1.67	1.63	1.63	3/16
ECTD-3-1/0	3	1/0-14	2.29	1.63	1.63	3/16
ECTD-4-1/0	4	1/0-14	2.92	1.63	1.63	3/16
ECTD-5-1/0	5	1/0-14	3.54	1.63	1.63	3/16
ECTD-6-1/0	6	1/0-14	4.17	1.63	1.63	3/16
ECTD-7-1/0	7	1/0-14 AWG	4.748	1.825	1.63	3/16
ECTD-8-1/0	8	1/0-14 AWG	5.373	1.825	1.63	3/16
ECTD-9-1/0	9	1/0-14 AWG	5.998	1.825	1.63	3/16
ECTD-10-1/0	10	1/0-14 AWG	6.623	1.825	1.63	3/16
ECTD-11-1/0	11	1/0-14 AWG	7.248	1.825	1.63	3/16
ECTD-12-1/0	12	1/0-14 AWG	7.873	1.825	1.63	3/16
ECTD-13-1/0	13	1/0-14 AWG	8.498	1.825	1.63	3/16
ECTD-14-1/0	14	1/0-14 AWG	9.123	1.825	1.63	3/16
ECTD-2-3/0	2	3/0-6	1.89	1.68	1.86	1/4
ECTD-3-3/0	3	3/0-6	2.65	1.68	1.86	1/4
ECTD-4-3/0	4	3/0-6	3.42	1.68	1.86	1/4
ECTD-5-3/0	5	3/0-6	4.18	1.68	1.86	1/4
ECTD-6-3/0	6	3/0-6	4.95	1.68	1.86	1/4
ECTD-7-3/0	7	3/0-6 AWG	5.71	2.277	2.019	1/4
ECTD-8-3/0	8	3/0-6 AWG	6.48	2.277	2.019	1/4
ECTD-9-3/0	9	3/0-6 AWG	7.24	2.277	2.019	1/4
ECTD-10-3/0	10	3/0-6 AWG	8.01	2.277	2.019	1/4
ECTD-11-3/0	11	3/0-6 AWG	8.77	2.277	2.019	1/4
ECTD-12-3/0	12	3/0-6 AWG	9.54	2.277	2.019	1/4
ECTD-13-3/0	13	3/0-6 AWG	10.3	2.277	2.019	1/4
ECTD-14-3/0	14	3/0-6 AWG	11.07	2.277	2.019	1/4

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps. For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.
Replacement caps & plugs available. Consult Factory Tested to UL 486A/B, UL File E6207

ClearTap®
Insulated Multi-Tap Connectors
Dual Sided Entry

RoHS Compliant

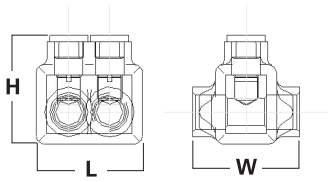
UL LISTED 453G

SA LR-29601

TYPE
ECTD

Features
- Broad wire range: 750kcmil-14
- UL Listed and CSA Certified for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Transparent cover
- Removable plugs
- Prefilled with De-ox®

Benefits
- Flexibility in the field
- Ensures reliability
- For copper or aluminum conductor
- Application variability
- Chemical resistant
- Inspectability
- Entry port closure
- Prevents oxides from forming



D

Catalog Number	No. of Ports	Conductor Range	Dimensions			Hex Size
			L	W	H	
ECTD-2-250	2	250kcmil-6	2.17	2.13	2.17	5/16
ECTD-3-250	3	250kcmil-6	3.07	2.13	2.17	5/16
ECTD-4-250	4	250kcmil-6	3.96	2.13	2.17	5/16
ECTD-5-250	5	250kcmil-6	4.85	2.13	2.17	5/16
ECTD-6-250	6	250kcmil-6	5.75	2.13	2.17	5/16
ECTD-7-250	7	250 kcmil-6 AWG	6.76	2.318	2.041	5/16
ECTD-8-250	8	250 kcmil-6 AWG	7.69	2.318	2.041	5/16
ECTD-9-250	9	250 kcmil-6 AWG	8.62	2.318	2.041	5/16
ECTD-10-250	10	250 kcmil-6 AWG	9.55	2.318	2.041	5/16
ECTD-11-250	11	250 kcmil-6 AWG	10.48	2.318	2.041	5/16
ECTD-12-250	12	250 kcmil-6 AWG	11.41	2.318	2.041	5/16
ECTD-13-250	13	250 kcmil-6 AWG	12.34	2.318	2.041	5/16
ECTD-14-250	14	250 kcmil-6 AWG	14.27	2.318	2.041	5/16
ECTD-2-350	2	350kcmil-6	2.51	2.25	2.62	5/16
ECTD-3-350	3	350kcmil-6	3.56	2.25	2.62	5/16
ECTD-4-350	4	350kcmil-6	4.61	2.25	2.62	5/16
ECTD-5-350	5	350kcmil-6	5.67	2.25	2.62	5/16
ECTD-6-350	6	350kcmil-6	6.71	2.25	2.62	5/16
ECTD-7-350	7	350 kcmil-6 AWG	8.248	2.578	2.396	5/16
ECTD-8-350	8	350 kcmil-6 AWG	9.404	2.578	2.396	5/16
ECTD-9-350	9	350 kcmil-6 AWG	10.56	2.578	2.396	5/16
ECTD-10-350	10	350 kcmil-6 AWG	11.716	2.578	2.396	5/16
ECTD-11-350	11	350 kcmil-6 AWG	12.872	2.578	2.396	5/16
ECTD-12-350	12	350 kcmil-6 AWG	14.028	2.578	2.396	5/16
ECTD-13-350	13	350 kcmil-6 AWG	15.184	2.578	2.396	5/16
ECTD-14-350	14	350 kcmil-6 AWG	16.34	2.578	2.396	5/16

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.
For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.
Replacement caps & plugs available. Consult Factory
Tested to UL 486A/B, UL File E6207

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In Canada: 615 B Orwell Street, Mississauga, Ontario, Canada L5A 2W4 | PH: 905.274.2341 | FAX: 905.279.2682

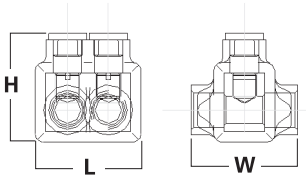
ClearTap®
Insulated Multi-Tap Connectors
Dual Sided Entry

RoHS Compliant | UL LISTED 453G | SA LR-29601

TYPE
ECTD

Features
- Broad wire range: 750kcmil-14
- UL Listed and CSA Certified for 600 volts, 90° C
- Dual rated
- Cold temperature rated to -45° C
- High dielectric strength plastisol
- Transparent cover
- Removable plugs
- Prefilled with De-ox®

Benefits
- Flexibility in the field
- Ensures reliability
- For copper or aluminum conductor
- Application variability
- Chemical resistant
- Inspectability
- Entry port closure
- Prevents oxides from forming



D

Catalog Number	No. of Ports	Conductor Range	Dimensions			Hex Size
			L	W	H	
ECTD-2-600	2	600kcmil-4	2.97	2.63	3.04	3/8
ECTD-3-600	3	600kcmil-4	4.12	2.63	3.04	3/8
ECTD-4-600	4	600kcmil-4	5.28	2.63	3.04	3/8
ECTD-5-600	5	600kcmil-4	6.44	2.63	3.04	3/8
ECTD-6-600	6	600kcmil-4	7.59	2.63	3.04	3/8
ECTD-7-600	7	600 kcmil-4 AWG	9.186	3.036	3.034	3/8
ECTD-8-600	8	600 kcmil-4 AWG	10.467	3.031	3.034	3/8
ECTD-9-600	9	600 kcmil-4 AWG	11.748	3.031	3.034	3/8
ECTD-10-600	10	600 kcmil-4 AWG	13.029	3.031	3.034	3/8
ECTD-11-600	11	600 kcmil-4 AWG	14.31	3.031	3.034	3/8
ECTD-12-600	12	600 kcmil-4 AWG	15.591	3.031	3.034	3/8
ECTD-13-600	13	600 kcmil-4 AWG	16.872	3.031	3.034	3/8
ECTD-14-600	14	600 kcmil-4 AWG	18.153	3.031	3.034	3/8
ECTD-2-750	2	750kcmil-250kcmil	3.47	3.25	3.31	1/2
ECTD-3-750	3	750kcmil-250kcmil	4.89	3.25	3.31	1/2
ECTD-4-750	4	750kcmil-250kcmil	6.32	3.25	3.31	1/2
ECTD-5-750	5	750kcmil-250kcmil	7.74	3.25	3.31	1/2
ECTD-6-750	6	750kcmil-250kcmil	9.16	3.25	3.31	1/2
ECTD-7-750	7	750 kcmil-250 kcmil	11.14	3.405	3.206	1/2
ECTD-8-750	8	750 kcmil-250 kcmil	12.7	3.405	3.206	1/2
ECTD-9-750	9	750 kcmil-250 kcmil	14.26	3.405	3.206	1/2
ECTD-10-750	10	750 kcmil-250 kcmil	15.82	3.405	3.206	1/2
ECTD-11-750	11	750 kcmil-250 kcmil	17.38	3.405	3.206	1/2
ECTD-12-750	12	750 kcmil-250 kcmil	18.94	3.405	3.206	1/2
ECTD-13-750	13	750 kcmil-250 kcmil	20.5	3.405	3.206	1/2
ECTD-14-750	14	750 kcmil-250 kcmil	22.06	3.405	3.206	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
For one input & multiple output configurations, the allowable ampacities per NEC Table 310.16 and 310.17 are as follows: #4-95 Amps, 1/0-170 Amps, 3/0-225 Amps, 250-290 Amps, 350-350 Amps, 600-475 Amps, 750-535 Amps.
For multiple inputs, the inputs must be staggered with outputs to allow for ampacities to be additive per NEC Table 310.16 and 310.17.
Replacement caps & plugs available. Consult Factory
Tested to UL 486A/B, UL File E6207

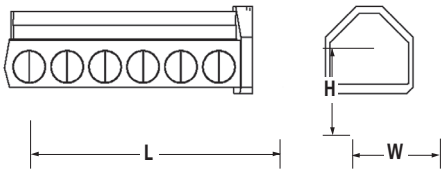
ClearTap®
Insulated Multi-Tap Connectors

RoHS Compliant | UL LISTED 453G | SA LR-29601

TYPE
PCT

Features
- Transparent flexible insulating cover
- Captive pressure screws
- Self-closing openings
- Access from both sides of connector
- Broad wire range: 800kcmil-14
- UL Listed for 600 volts, 90˚ C
- Dual Rated

Benefits
- No taping and allows visual inspection of connection
- No wasted time finding screws
- No lost or loose caps and plugs
- Provides greater versatility
- Reduces inventory
- Ensures reliability
- For copper or aluminum conductor



D

Catalog Number	No. of Ports	Wire Range	Ampere Rating	Dimensions			Hex Size
				L	W	H	
PCT-2-2/0	2	2/0-14	195	2.61	2.30	1.97	3/16
PCT-4-2/0	4	2/0-14	195	4.30	2.30	1.97	3/16
PCT-6-2/0	6	2/0-14	195	5.98	2.30	1.97	3/16
PCT-8-2/0	8	2/0-14	195	7.67	2.30	1.97	3/16
PCT-2-4/0	2	4/0-6	260	2.33	2.49	2.25	5/16
PCT-4-4/0	4	4/0-6	260	4.19	2.49	2.25	5/16
PCT-6-4/0	6	4/0-6	260	6.05	2.49	2.25	5/16
PCT-8-4/0	8	4/0-6	260	7.91	2.49	2.25	5/16
PCT-2-350	2	350 kcmil-6	350	2.75	2.69	2.65	5/16
PCT-4-350	4	350 kcmil-6	350	5.06	2.69	2.65	5/16
PCT-6-350	6	350 kcmil-6	350	7.37	2.69	2.65	5/16
PCT-8-350	8	350 kcmil-6	350	9.68	2.69	2.65	5/16
PCT-2-600	2	600 kcmil-4	475	3.17	3.20	3.27	3/8
PCT-4-600	4	600 kcmil-4	475	5.73	3.20	3.27	3/8
PCT-6-600	6	600 kcmil-4	475	8.29	3.20	3.27	3/8
PCT-8-600	8	600 kcmil-4	475	10.86	3.20	3.27	3/8
PCT-2-800	2	800kcmil-250kcmil	555	3.91	3.34	3.30	1/2
PCT-4-800	4	800kcmil-250kcmil	555	7.03	3.34	3.30	1/2
PCT-6-800	6	800kcmil-250kcmil	555	10.15	3.34	3.30	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Not suitable for direct burial.
Tested to UL 486A/B, UL File E6207

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RocketSplice®
Insulated Splicer-Reducer Connector

RoHS Compliant

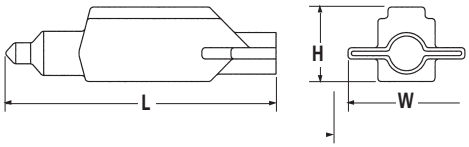
UL LISTED 453G

SA LR-29601

TYPE
SPAR

Features
- Transparent flexible insulating cover
- Range adjustable trim-to-fit tip
- Unique shape and compact design
- Connector, cover and cable tie packaged together
- UL Listed and CSA Certified for 600 volts
- Dual Rated

Benefits
- No taping and allows visual inspection of splice
- Ensures proper fit of cover to cable
- Provides ease of installation, versatility and serviceability of connections made in tight spaces
- Provides ease of ordering
- Ensures reliability
- Use with copper or aluminum conductor



D

Catalog Number	Wire Range	Dimensions			Screw Size & Shape
		L	W	H	
SPAR-4	4-14	3.30	1.55	.76	slotted
SPAR-2	2-14	3.83	1.75	.95	slotted
SPAR-1/0	1/0-14	4.80	1.94	1.14	3/16″ socket head
SPAR-250	250kcmil-6	5.67	2.41	1.29	5/16″ socket head
SPAR-350	350kcmil-10	6.17	3.29	1.79	5/16″ socket head
SPAR-500	500kcmil-4	7.94	3.66	2.28	3/8″ socket head

Multi-Wire Tap and Splice
For Adding Branch Connections and Light Industrial Applications

LISTED 453G

TYPE
MAC

D

Features
- Dual rated
- Set screw connections
- IP20 touch safe protection
- Multiple conductor sizes per port
- Eliminates pigtails
- Accepts flex conductors
- Certified for power and grounding
- Connector rated to 90˚ C, 300 volts
- Insulated cover rated to 105˚ C
- Runs 35˚ F cooler than leading twist-on connectors
- Secureness strength 2.5 times higher than leading twist-ons

Benefits
- For copper or aluminum conductor
- More secure and reliable than twist on connectors
- Minimizes risk of electrical shock
- Can mix various sizes, e.g. 1 #18 & 1#12
- Up to 4 #14 AWG conductors per port
- For motors and commercial applications
- Application versatility
- Ensures reliability

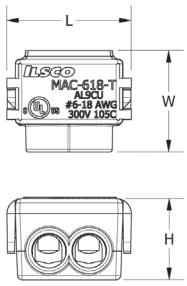


Fig. 1

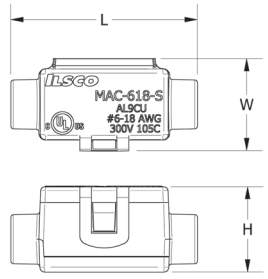


Fig. 2

Catalog Number	MAC Block					Overall Dimensions - in. (mm)		
	Color	Fig. No.	CU Conductor Range	AL Conductor Range	Flex Conductor Range	W	H	L
MAC-618-T-K	Black	1	#6-#18	#6-#12	#6-#14	0.84 (21.3)	0.689 (17.5)	1.04 (26.4)
MAC-618-S-K	Black	2	#6-#18	#6-#12	#6-#14	0.7 (17.8)	0.689 (17.5)	1.488 (37.8)

All wire sizes, unless noted otherwise, are American Wire Gauge
Dissimilar conductor materials cannot be used in the same port
Tested to UL 486A/B, UL File E6207
Tested to UL 467, UL File E6207

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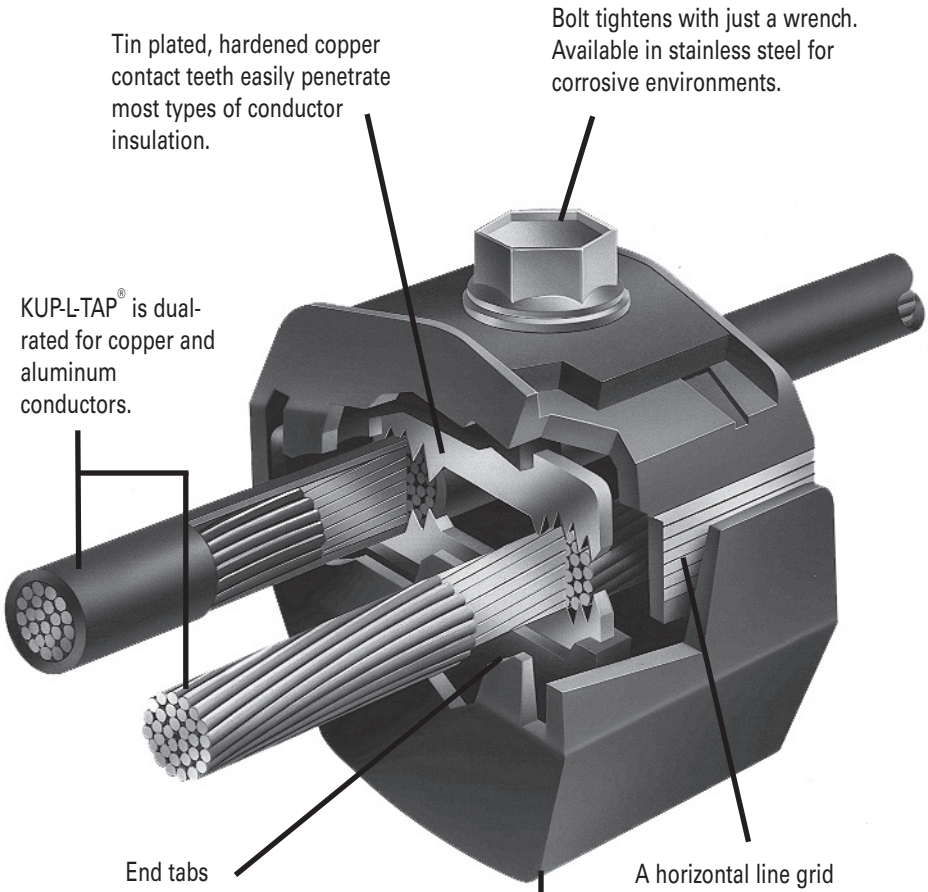
UL LISTED 453G

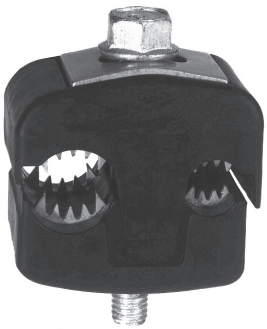
ILSCO connections matter

KUP-L-TAP®

Insulation Piercing Connectors

Save Time And Money





Insul-Eater®

KUP-L-Tap®
Insulation Piercing Connectors
Dual Rated

RoHS Compliant

UL LISTED 453G

SA LR-29601

TYPE
IPC

Insul-Eater®

Features
- Body is molded from tough, resilient glass-filled nylon
- Compact design
- Tin plated copper contact teeth
- Insulation piercing
- Perforated end tabs
- Pre-filled with silicone lubricant
- Versatile
- Increased safety
- Horizontal line grid
- Temperature rating 90˚ C

Benefits
- Provides high degree of breakage resistance and long dependable use
- Saves space
- Easily penetrates most types of insulation
- No need to strip the conductor which saves installation time
- Break out easily by hand
- Prevents oxidation and moisture from entering the contact area
- Can be used as a splice or tap connector
- Contains no external energized parts. Can be installed "hot" on energized conductors providing tap conductor is not under load.
- Provides a visual guide for proper installation of conductors

E

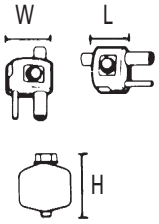


Fig. 1

Fig. 2

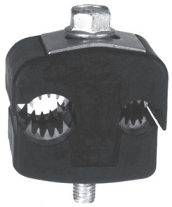


Fig. 3

Fig. 4

Catalog Number	Figure Number	Wire Range		Volts	Current Rating		Dimensions			Torque Ft. Lbs.	Bolt Head Size
		Main	Tap		CU	AL	L	W	H		
IPC-1/0-2	3	1/0-8	2-8	300 (480 Grounded Y System)	130	100	1-7/32	1-15/32	2-5/16	16	1/2
IPC-4/0-6	2	4/0-4	6-14	600	75	60	1-27/64	1	1-7/8	13	1/2
IPC-4/0-2/0	3	4/0-2	2/0-6	600	195	150	1-21/32	1-7/8	2-7/8	25	1/2
IPC-250-4/0	2	250kcmil - 1	4/0-6	600	260	205	1-7/8	2-11/32	3-11/32	30	5/8
IPC-350-4/0	3	350kcmil - 4/0	4/0-10	300 (480 Grounded Y System)	260	205	1-43/64	2-7/16	3-1/8	25	5/8
IPC-350-350	4	350kcmil - 4/0	350kcmil-4/0	300 (480 Grounded Y System)	350	280	2-43/64	2-23/32	3-1/4	25	5/8
IPC-500-12	1	500kcmil - 250kcmil	10-12	300 (480 Grounded Y System)	40	35	1-43/64	2-7/16	3-1/4	25	5/8
IPC-500-250	1	500kcmil - 250kcmil	250kcmil-4	600	290	230	2-27/64	2-29/32	3-3/4	55	5/8-11/16
IPC-500-500	1	500kcmil - 300kcmil	500kcmil-250kcmil	600	430	350	3-3/16	3-5/8	5	75	7/8-7/8
IPC-750-500	1	750kcmil - 500kcmil	500kcmil-350kcmil	600	430	350	3-3/16	3-5/8	5	75	7/8-7/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207

Not for use with cloth insulated conductor type TCCW

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Power Distribution Blocks

PDH

251-252

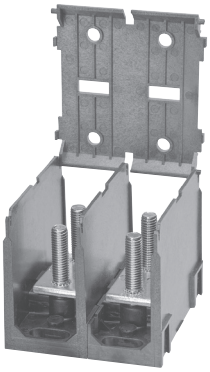
PDE

253

PDL

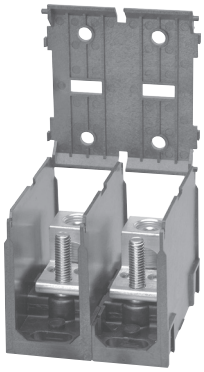
254

PDS



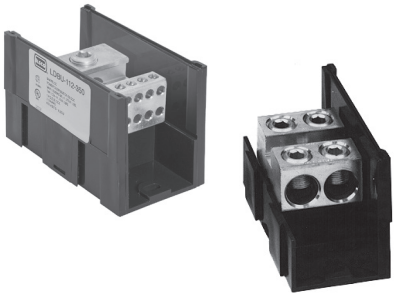
255 – 256

PDM



257 – 258

LDAU/LDBU

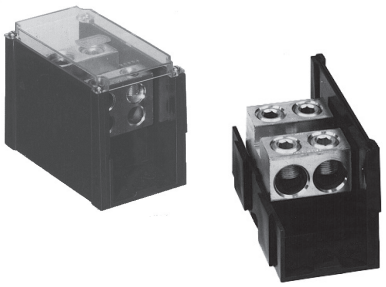


259

PDBU

260 – 262

LDA/LDB **Snap Bloc®**

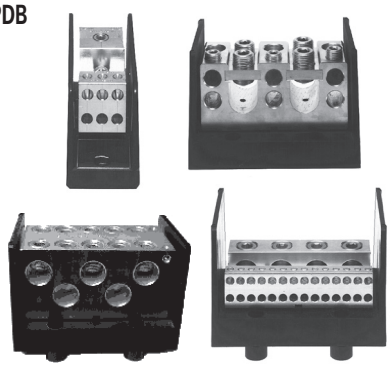


263

PDA/PDC

264

PDB



265 – 270

Power Distribution Block
High Short-Circuit Current Rating

RoHS Compliant

TYPE
PDH

Features
- Manufactured from high strength aluminum
- UL 1059 Recognized 90° C 600 Volts and CSA Certified
- Electro-tin plated
- High Short Circuit Rating 100K RMS SYM Amps
- For use with building code or flexible conductor

Benefits
- Suitable for use with either copper or aluminum conductors
- Ensures reliability
- Provides low contact resistance
- Added protection

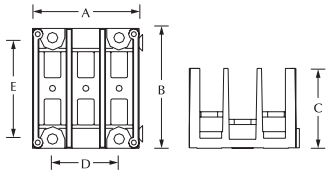


Fig. 1

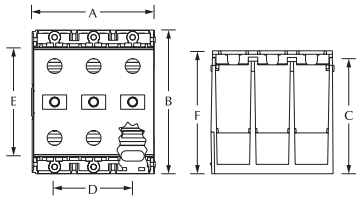


Fig. 2

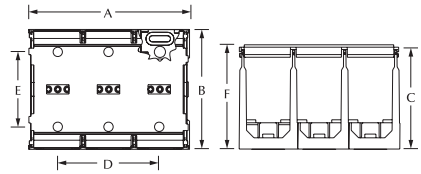


Fig.3

Catalog Number	Figure No.	Amps	Rated Conductor Range		High SCCR Conditions: Suitable Conductors Per Pole		High SCCR Conditions: Overcurrent Protection Fuse Required Class/Max Amp Rating†						SCCR RMS SYM Amps	Volts Max	Dimensions (in.)						Cover ID
			Line	Load	Line	Load	J	T	RK1	RK5	G	CC			A	B	C	D	E	F w/cover	
PDHN-11-2-1*	1	115	(1) 2-14	(1) 2-14	(1) 2-6	(1) 2-6	200	200	200	100	60	30	200,000	600	0.83	2.29	1.53	-	1.93	1.60	CVR-2-1
PDHN-11-2-2*	1	115	(1) 2-14	(1) 2-14	(1) 2-6	(1) 2-6	200	200	200	100	60	30	200,000	600	1.46	2.29	1.53	-	1.93	1.60	CVR-2-2
PDHN-11-2-3*	1	115	(1) 2-14	(1) 2-14	(1) 2-6	(1) 2-6	200	200	200	100	60	30	200,000	600	2.10	2.29	1.53	1.27	1.93	1.60	CVR-2-3
PDHN-11-2-4*	1	115	(1) 2-14	(1) 2-14	(1) 2-6	(1) 2-6	200	200	200	100	60	30	200,000	600	2.75	2.29	1.53	1.92	1.93	1.60	CVR-2-4
PDHN-14-2-1*	1	115	(1) 2-14	(4) 10-18	(1) 2-6	(4) 10-14	200	200	200	100	60	30	200,000	600	0.83	2.29	1.53	-	1.93	1.60	CVR-2-1
PDHN-14-2-2*	1	115	(1) 2-14	(4) 10-18	(1) 2-6	(4) 10-14	200	200	200	100	60	30	200,000	600	1.46	2.29	1.53	-	1.93	1.60	CVR-2-2
PDHN-14-2-3*	1	115	(1) 2-14	(4) 10-18	(1) 2-6	(4) 10-14	200	200	200	100	60	30	200,000	600	2.10	2.29	1.53	1.27	1.93	1.60	CVR-2-3
PDHN-14-2-4*	1	115	(1) 2-14	(4) 10-18	(1) 2-6	(4) 10-14	200	200	200	100	60	30	200,000	600	2.75	2.29	1.53	1.92	1.93	1.60	CVR-2-4
PDH-11-2/0-1	2	175	(1) 2/0-14	(1) 2/0-14	(1) 2/0-6	(1) 2/0-6	200	200	200	100	60	30	100,000	600	1.00	3.00	2.42	-	2.25	2.57	W/C
PDH-11-2/0-2	2	175	(1) 2/0-14	(1) 2/0-14	(1) 2/0-6	(1) 2/0-6	200	200	200	100	60	30	100,000	600	1.82	3.00	2.42	0.81	2.25	2.57	W/C
PDH-11-2/0-3	2	175	(1) 2/0-14	(1) 2/0-14	(1) 2/0-6	(1) 2/0-6	200	200	200	100	60	30	100,000	600	2.55	3.00	2.42	1.63	2.25	2.57	W/C
PDH-11-2/0-A‡	2	175	(1) 2/0-14	(1) 2/0-14	(1) 2/0-6	(1) 2/0-6	200	200	200	100	60	30	100,000	600	0.89	3.00	2.42	-	2.25	-	NA
PDH-14-2/0-1	2	175	(1) 2/0-14	(4) 4-14	(1) 2/0-6	(4) 4-14	200	200	200	100	60	30	100,000	600	1.00	3.00	2.42	-	2.25	2.57	W/C
PDH-14-2/0-2	2	175	(1) 2/0-14	(4) 4-14	(1) 2/0-6	(4) 4-14	200	200	200	100	60	30	100,000	600	1.82	3.00	2.42	0.81	2.25	2.57	W/C
PDH-14-2/0-3	2	175	(1) 2/0-14	(4) 4-14	(1) 2/0-6	(4) 4-14	200	200	200	100	60	30	100,000	600	2.55	3.00	2.42	1.63	2.25	2.57	W/C
PDH-14-2/0-A‡	2	175	(1) 2/0-14	(4) 4-14	(1) 2/0-6	(4) 4-14	200	200	200	100	60	30	100,000	600	0.89	3.00	2.42	-	2.25	-	NA
PDH-12-350-1	3	310	(1) 350-6	(2) 2/0-14	(1) 350-3/0	(1) 2/0-1	600	600	400	200	60	30	100,000	600	1.96	4.00	3.49	-	3.38	3.49	W/C
PDH-12-350-2	3	310	(1) 350-6	(2) 2/0-14	(1) 350-3/0	(1) 2/0-1	600	600	400	200	60	30	100,000	600	3.66	4.00	3.49	1.70	3.38	3.49	W/C
PDH-12-350-3	3	310	(1) 350-6	(2) 2/0-14	(1) 350-3/0	(1) 2/0-1	600	600	400	200	60	30	100,000	600	5.36	4.00	3.49	3.40	3.38	3.49	W/C
PDH-14-400-1	3	335	(1) 400-6	(4) 2-14	(1) 400-3/0	(4) 2-8	400	400	400	100	60	30	100,000	600	1.96	4.00	3.49	-	3.38	3.49	W/C
PDH-14-400-2	3	335	(1) 400-6	(4) 2-14	(1) 400-3/0	(4) 2-8	400	400	400	100	60	30	100,000	600	3.66	4.00	3.49	1.70	3.38	3.49	W/C
PDH-14-400-3	3	335	(1) 400-6	(4) 2-14	(1) 400-3/0	(4) 2-8	400	400	400	100	60	30	100,000	600	5.36	4.00	3.49	3.40	3.38	3.49	W/C
PDH-26-2/0-1	3	350	(2) 2/0-14	(6) 4-14	(2) 2/0-2	(6) 4-8	400	400	400	100	60	30	100,000	600	1.96	4.00	3.49	-	3.38	3.49	W/C
PDH-26-2/0-2	3	350	(2) 2/0-14	(6) 4-14	(2) 2/0-2	(6) 4-8	400	400	400	100	60	30	100,000	600	3.66	4.00	3.49	1.70	3.38	3.49	W/C
PDH-26-2/0-3	3	350	(2) 2/0-14	(6) 4-14	(2) 2/0-2	(6) 4-8	400	400	400	100	60	30	100,000	600	5.36	4.00	3.49	3.40	3.38	3.49	W/C
PDH-14A-500-1	3	380	(1) 500-4	(3) 2-14 (1) 350-6	(1) 500-4	(3) 2-14 (1) 350-6	600	600	400	200	60	30	100,000	600	1.96	4.00	3.49	-	3.38	3.49	W/C
PDH-14A-500-2	3	380	(1) 500-4	(3) 2-14 (1) 350-6	(1) 500-4	(3) 2-14 (1) 350-6	600	600	400	200	60	30	100,000	600	3.66	4.00	3.49	1.70	3.38	3.49	W/C
PDH-14A-500-3	3	380	(1) 500-4	(3) 2-14 (1) 350-6	(1) 500-4	(3) 2-14 (1) 350-6	600	600	400	200	60	30	100,000	600	5.36	4.00	3.49	3.40	3.38	3.49	W/C
PDH-11-600-1	3	420	(1) 600-2	(1) 600-2	(1) 600-2	(1) 600-2	400	400	400	200	60	30	100,000	600	1.96	4.00	3.49	-	3.38	3.49	W/C
PDH-11-600-2	3	420	(1) 600-2	(1) 600-2	(1) 600-2	(1) 600-2	400	400	400	200	60	30	100,000	600	3.66	4.00	3.49	1.70	3.38	3.49	W/C
PDH-11-600-3	3	420	(1) 600-2	(1) 600-2	(1) 600-2	(1) 600-2	400	400	400	200	60	30	100,000	600	5.36	4.00	3.49	3.40	3.38	3.49	W/C

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Cover not standard, available as an option. ‡ Adder Block, cover not available. W/C supplied with cover

† For further details on conductors, fuse ratings, and additional SCCR ratings please refer to product data sheets.

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Power Distribution Block
High Short-Circuit Current Rating

RoHS Compliant

LR-29601

TYPE
PDH

Features
- Manufactured from high strength aluminum
- UL 1059 Recognized 90° C 600 Volts and CSA Certified
- Electro-tin plated
- High Short Circuit Rating 100K RMS SYM Amps
- For use with building code or flexible conductor

Benefits
- Suitable for use with either copper or aluminum conductors
- Ensures reliability
- Provides low contact resistance
- Added protection

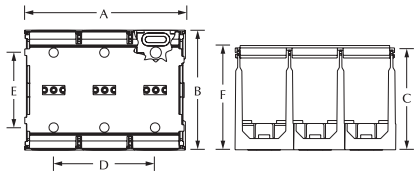
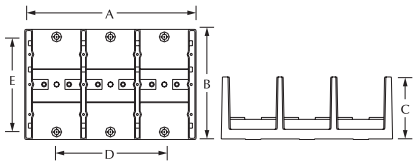


Fig. 3



ig. 4

Catalog Number	Figure No.	Amps	Rated Conductor Range		High SCCR Conditions: Suitable Conductors Per Pole		High SCCR Conditions: Overcurrent Protection Fuse Required Class/Max Amp Rating†						SCCR RMS SYM Amps	Volts Max	Dimensions (in.)						Cover ID
			Line	Load	Line	Load	J	T	RK1	RK5	G	CC			A	B	C	D	E	F w/cover	
PDH-18-600-1	3	420	(1) 600-2	(8) 2-14	(1) 600-3/0	(8) 2-8	400	400	400	200	60	30	100,000	600	1.96	4.00	3.49	-	3.38	3.49	W/C
PDH-18-600-2	3	420	(1) 600-2	(8) 2-14	(1) 600-3/0	(8) 2-8	400	400	400	200	60	30	100,000	600	3.66	4.00	3.49	1.70	3.38	3.49	W/C
PDH-18-600-3	3	420	(1) 600-2	(8) 2-14	(1) 600-3/0	(8) 2-8	400	400	400	200	60	30	100,000	600	5.36	4.00	3.49	3.40	3.38	3.49	W/C
PDH-112-600-1	3	420	(1) 600-2	(12) 4-14	(1) 600-3/0	(12) 4-8	600	600	400	200	60	30	100,000	600	1.96	4.00	3.49	-	3.38	3.49	W/C
PDH-112-600-2	3	420	(1) 600-2	(12) 4-14	(1) 600-3/0	(12) 4-8	600	600	400	200	60	30	100,000	600	3.66	4.00	3.49	1.70	3.38	3.49	W/C
PDH-112-600-3	3	420	(1) 600-2	(12) 4-14	(1) 600-3/0	(12) 4-8	600	600	400	200	60	30	100,000	600	5.36	4.00	3.49	3.40	3.38	3.49	W/C
PDH-19A-600-1	3	420	(1) 600-2	(6) 2-14 (3) 1/0-14	(1) 600-3/0	(9) 1/0-8	600	600	400	200	60	30	100,000	600	1.96	4.00	3.49	-	3.38	3.49	W/C
PDH-19A-600-2	3	420	(1) 600-2	(6) 2-14 (3) 1/0-14	(1) 600-3/0	(9) 1/0-8	600	600	400	200	60	30	100,000	600	3.66	4.00	3.49	1.70	3.38	3.49	W/C
PDH-19A-600-3	3	420	(1) 600-2	(6) 2-14 (3) 1/0-14	(1) 600-3/0	(9) 1/0-8	600	600	400	200	60	30	100,000	600	5.36	4.00	3.49	3.40	3.38	3.49	W/C
PDH-22-250-1	3	510	(2) 250-1/0	(2) 250-1/0	(2) 250-1/0	(2) 250-1/0	600	600	400	200	60	30	100,000	600	1.96	4.00	3.49	-	3.38	3.49	W/C
PDH-22-250-2	3	510	(2) 250-1/0	(2) 250-1/0	(2) 250-1/0	(2) 250-1/0	600	600	400	200	60	30	100,000	600	3.66	4.00	3.49	1.70	3.38	3.49	W/C
PDH-22-250-3	3	510	(2) 250-1/0	(2) 250-1/0	(2) 250-1/0	(2) 250-1/0	600	600	400	200	60	30	100,000	600	5.36	4.00	3.49	3.40	3.38	3.49	W/C
PDH-28-250-1	3	510	(2) 250-1/0	(8) 2-14	(2) 250-1/0	(8) 2-14	600	600	600	200	60	30	100,000	600	1.96	4.00	3.49	-	3.38	3.49	W/C
PDH-28-250-2	3	510	(2) 250-1/0	(8) 2-14	(2) 250-1/0	(8) 2-14	600	600	600	200	60	30	100,000	600	3.66	4.00	3.49	1.70	3.38	3.49	W/C
PDH-28-250-3	3	510	(2) 250-1/0	(8) 2-14	(2) 250-1/0	(8) 2-14	600	600	600	200	60	30	100,000	600	5.36	4.00	3.49	3.40	3.38	3.49	W/C
PDH-212-250-1	3	510	(2) 250-1/0	(12) 4-14	(2) 250-1/0	(12) 4-14	600	600	600	200	60	30	100,000	600	1.96	4.00	3.49	-	3.38	3.49	W/C
PDH-212-250-2	3	510	(2) 250-1/0	(12) 4-14	(2) 250-1/0	(12) 4-14	600	600	600	200	60	30	100,000	600	3.66	4.00	3.49	1.70	3.38	3.49	W/C
PDH-212-250-3	3	510	(2) 250-1/0	(12) 4-14	(2) 250-1/0	(12) 4-14	600	600	600	200	60	30	100,000	600	5.36	4.00	3.49	3.40	3.38	3.49	W/C
PDH-22-350-1*	4	620	(2) 350-4	(2) 350-4	(2) 350-4	(2) 350-4	450	450	400	200	60	30	100,000	600	3.17	5.50	3.12	-	4.75	3.18	C-6-1
PDH-22-350-2*	4	620	(2) 350-4	(2) 350-4	(2) 350-4	(2) 350-4	450	450	400	200	60	30	100,000	600	5.85	5.50	3.12	2.69	4.75	3.18	C-6-2
PDH-22-350-3*	4	620	(2) 350-4	(2) 350-4	(2) 350-4	(2) 350-4	450	450	400	200	60	30	100,000	600	8.54	5.50	3.12	5.38	4.75	3.18	C-6-3
PDH-22-500-1*	4	760	(2) 500-4	(2) 500-4	(2) 500-4	(2) 500-4	600	600	400	200	60	30	100,000	600	3.17	5.50	3.12	-	4.75	3.18	C-6-1
PDH-22-500-2*	4	760	(2) 500-4	(2) 500-4	(2) 500-4	(2) 500-4	600	600	400	200	60	30	100,000	600	5.85	5.50	3.12	2.69	4.75	3.18	C-6-2
PDH-22-500-3*	4	760	(2) 500-4	(2) 500-4	(2) 500-4	(2) 500-4	600	600	400	200	60	30	100,000	600	8.54	5.50	3.12	5.38	4.75	3.18	C-6-3
PDH-28-500-1*	4	760	(2) 500-6	(8) 2/0-14	(2) 500-250	(8) 2/0-14	600	600	400	200	60	30	100,000	600	3.17	5.50	3.12	-	4.75	3.18	C-6-1
PDH-28-500-2*	4	760	(2) 500-6	(8) 2/0-14	(2) 500-250	(8) 2/0-14	600	600	400	200	60	30	100,000	600	5.85	5.50	3.12	2.69	4.75	3.18	C-6-2
PDH-28-500-3*	4	760	(2) 500-6	(8) 2/0-14	(2) 500-250	(8) 2/0-14	600	600	400	200	60	30	100,000	600	8.54	5.50	3.12	5.38	4.75	3.18	C-6-3
PDH-212-500-1*	4	760	(2) 500-6	(12) 4-14	(2) 500-250	(12) 4-8	400	400	400	200	60	30	100,000	600	3.17	5.50	3.12	-	4.75	3.18	C-6-1
PDH-212-500-2*	4	760	(2) 500-6	(12) 4-14	(2) 500-250	(12) 4-8	400	400	400	200	60	30	100,000	600	5.85	5.50	3.12	2.69	4.75	3.18	C-6-2
PDH-212-500-3*	4	760	(2) 500-6	(12) 4-14	(2) 500-250	(12) 4-8	400	400	400	200	60	30	100,000	600	8.54	5.50	3.12	5.38	4.75	3.18	C-6-3

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Cover not standard, available as an option. W/C supplied with cover

† For further details on conductors, fuse ratings, and additional SCCR ratings please refer to product data sheets.

Power Distribution Block
High Short-Circuit Current Rating

RoHS Compliant

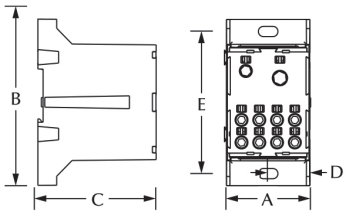
UL LISTED

SA LR-29601

TYPE
PDE

Features
- Manufactured from high strength aluminum
- UL Listed 75° C and CSA Certified, 600 volts
- Electro-tin plated
- High Short Circuit Rating 100K RMS SYM Amps
- Enclosed block provides IP-20 touch protection
- For use with building code or flexible conductor

Benefits
- Suitable for use with either copper or aluminum conductors
- Ensures reliability
- Provides low contact resistance
- Added protection



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Catalog Number	Amps (CU Wire)	Rated Conductor Range		High SCCR Conditions: Suitable Conductors Per Pole		High SCCR Conditions: Overcurrent Protection Fuse Required Class/Max Amp Rating†						SCCR RMS SYM Amps	Volts Max	Dimensions (in.)				
		Line	Load	Line	Load	J	T	RK1	RK5	G	CC			A	B	C	D	E
PDE-11-3/0*	200	(1) 3/0-14	(1) 3/0-14	(1) 3/0-8	(1) 3/0-8	225	225	200	60	60	30	100,000	600	1.20	3.61	2.71	.56	3.00
PDE-11-3/0-CU*	200	(1) 3/0-14	(1) 3/0-14	(1) 3/0-8	(1) 3/0-8	225	225	200	60	60	30	100,000	600	1.20	3.61	2.71	.56	3.00
PDE-14-3/0*	200	(1) 3/0-14	(4) 2-14	(1) 3/0-8	(4) 2-14	225	225	200	60	60	30	100,000	600	1.20	3.61	2.71	.56	3.00
PDE-14-3/0-CU*	200	(1) 3/0-14	(4) 2-14	(1) 3/0-8	(4) 2-14	225	225	200	60	60	30	100,000	600	1.20	3.61	2.71	.56	3.00
PDE-18-400‡	335	(1) 400-6 (1) 2/0-14	(8) 2-16	(1) 400-3/0	(8) 2-8	400	400	400	200	60	30	100,000	600	2.27	4.39	3.14	1.11	3.75
DE-18-400-CU‡	335	(1) 400-6	(8) 2-16	(1) 400-3/0	(8) 2-8	400	400	400	200	60	30	100,000	600	2.27	4.39	3.14	1.11	3.75
PDE-22-250‡	510	(2) 250-6	(2) 250-6	(2) 250-1/0	(2) 250-1/0	400	400	400	200	60	30	100,000	600	2.27	4.39	3.14	1.11	3.75
PDE-22-250-CU‡	510	(2) 250-6	(2) 250-6	(2) 250-1/0	(2) 250-1/0	400	400	400	200	60	30	100,000	600	2.27	4.39	3.14	1.11	3.75

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
All PDE blocks are single pole and snap together for 2 and 3 pole configurations
† For further details on conductors, fuse ratings, and additional SCCR ratings please refer to product data sheets
‡ UL Recognized
* Din Rail mountable
-CU designates copper conductor only

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Power Distribution Block
High Short-Circuit Current Rating

RoHS Compliant

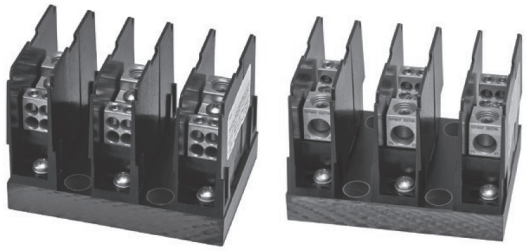
UL LISTED

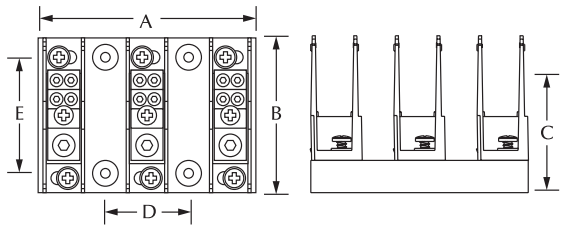
SA LR-29601

TYPE
PDL

Features
- Manufactured from high strength aluminum
- UL Listed 75° C and CSA Certified, 600 volts
- Electro-tin plated
- High Short Circuit Rating 100K RMS SYM Amps

Benefits
- Suitable for use with either copper or aluminum conductors
- Ensures reliability
- Provides low contact resistance
- Added protection





Catalog Number	Amps (CU Wire)	Rated Conductor Range		High SCCR Conditions: Suitable Conductors Per Pole		High SCCR Conditions: Overcurrent Protection Fuse Required Class/Max Amp Rating†						SCCR RMS SYM Amps	Volts Max	Dimensions (in.)				
		Line	Load	Line	Load	J	T	RK1	RK5	G	CC			A	B	C	D	E
PDL-11-2/0-3	175	(1) 2/0-14	(1) 2/0-14	(1) 2/0-6	(1) 2/0-6	200	200	200	100	60	30	100,000	600	4.25	3.00	3.05	1.63	2.25
PDL-14-2/0-3	175	(1) 2/0-14	(4) 4-14	(1) 2/0-6	(4) 4-14	200	200	200	100	60	30	100,000	600	4.25	3.00	3.05	1.63	2.25
PDL-16-2/0-3	175	(1) 2/0-14	(6) 4-14	(1) 2/0-6	(6) 4-14	200	200	200	100	60	30	100,000	600	4.25	3.00	3.05	1.63	2.25
PDL-16-400-3	335	(1) 400-6	(6) 2-14	(1) 400-3/0	(6) 2-8	400	400	400	100	60	30	100,000	600	6.00	5.50	3.96	3.25	4.75
PDL-112-600-3	335	(1) 600-2	(12) 4-14	(1) 600-3/0	(12) 4-8	600	600	400	200	60	30	100,000	600	6.00	5.50	3.96	3.25	4.75
PDL-19A-600-3	335	(1) 600-2	(3) 1/0-14 (6) 2-14	(1) 600-3/0	(9) 1/0-8	600	600	400	200	60	30	100,000	600	6.00	5.50	3.96	3.25	4.75

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
PDL Distribution Blocks are also UL listed with high SCCR ratings with certain Circuit Breaker Combinations - consult factory.
† For further details on conductors, fuse ratings, and additional SCCR ratings please refer to product data sheets.

F

Power Distribution Block

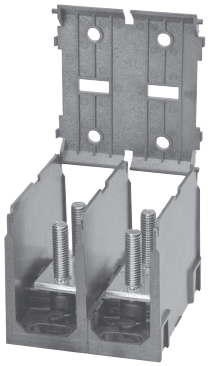
RoHS Compliant

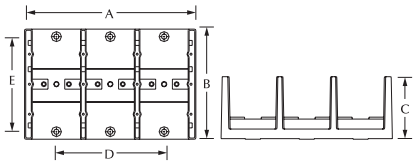
LR-29601

TYPE
PDS

Features
- Connector, copper, tin plated
- Stud, brass, tin plated
- Phenolic base and cover material
- UL Recognized 75° C and CSA Certified
- Insulator base adders available
- Din rail or panel mountable
- Rated for 600 volts

Benefits
- Rated for copper conductor
- Intended for wires terminated with crimp lugs
- Ensures reliability
- Easily snap together to create variable pole power blocks





F

Catalog Number	Amps	Rated Conductor Range		Stud Ctr to Ctr	Line In	Line Out	Dimensions						Cover ID
		Line	Load				A	B	C	D	E	F w/ cover	
PDS-11-KE-1†	230	(1) 3/8-16 X 1-3/16	(1) 1/4-20 x 1-3/16	-	Stud	Stud	1.94	4.00	2.61	-	3.38	3.38	C-4-1
PDS-11-KE-2†	230	(1) 3/8-16 X 1-3/16	(1) 1/4-20 x 1-3/16	-	Stud	Stud	3.47	4.00	2.61	1.53	3.38	3.38	C-4-2
PDS-11-KE-3†	230	(1) 3/8-16 X 1-3/16	(1) 1/4-20 x 1-3/16	-	Stud	Stud	5.00	4.00	2.61	3.06	3.38	3.38	C-4-3
PDS-11-PP-1	230	(1) 3/8-16 x 1-7/16	(1) 3/8-16 x 1-7/16	-	Stud	Stud	2.29	4.75	2.90	-	4.13	4.13	C-5-1
PDS-11-PP-2	230	(1) 3/8-16 x 1-7/16	(1) 3/8-16 x 1-7/16	-	Stud	Stud	4.17	4.75	2.90	1.88	4.13	4.13	C-5-2
PDS-11-PP-3	230	(1) 3/8-16 x 1-7/16	(1) 3/8-16 x 1-7/16	-	Stud	Stud	6.05	4.75	2.90	3.76	4.13	4.13	C-5-3
PDS-12-PC-1	260	(1) 3/8-16 x 1-7/16	(2) 1/4-20 x 9/16	.750	Stud	Stud	2.29	4.75	2.90	-	4.13	4.13	C-5-1
PDS-12-PC-2	260	(1) 3/8-16 x 1-7/16	(2) 1/4-20 x 9/16	.750	Stud	Stud	4.17	4.75	2.90	1.88	4.13	4.13	C-5-2
PDS-12-PC-3	260	(1) 3/8-16 x 1-7/16	(2) 1/4-20 x 9/16	.750	Stud	Stud	6.05	4.75	2.90	3.76	4.13	4.13	C-5-3
PDS-12-PG-1	360	(1) 3/8-16 x 1-7/16	(2) 1/4-20 X 1-7/16	1.125	Stud	Stud	3.17	5.50	3.12	-	4.75	4.75	C-6-1
PDS-12-PG-2	360	(1) 3/8-16 x 1-7/16	(2) 1/4-20 X 1-7/16	1.125	Stud	Stud	5.85	5.50	3.12	2.69	4.75	4.75	C-6-2
PDS-12-PG-3	360	(1) 3/8-16 x 1-7/16	(2) 1/4-20 X 1-7/16	1.125	Stud	Stud	8.54	5.50	3.12	5.38	4.75	4.75	C-6-3
PDS-12-PP-1	360	(1) 3/8-16 x 1-7/16	(2) 3/8-16 x 1-7/16	1.125	Stud	Stud	3.17	5.50	3.12	-	4.75	4.75	C-6-1
PDS-12-PP-2	360	(1) 3/8-16 x 1-7/16	(2) 3/8-16 x 1-7/16	1.125	Stud	Stud	5.85	5.50	3.12	2.69	4.75	4.75	C-6-2
PDS-12-PP-3	360	(1) 3/8-16 x 1-7/16	(2) 3/8-16 x 1-7/16	1.125	Stud	Stud	8.54	5.50	3.12	5.38	4.75	4.75	C-6-3
PDS-11-RR-1	410	(1) 1/2-13 x 1-7/16	(1) 1/2-13 x 1-7/16	-	Stud	Stud	3.17	5.50	3.12	-	4.75	4.75	C-6-1
PDS-11-RR-2	410	(1) 1/2-13 x 1-7/16	(1) 1/2-13 x 1-7/16	-	Stud	Stud	5.85	5.50	3.12	2.69	4.75	4.75	C-6-2
PDS-11-RR-3	410	(1) 1/2-13 x 1-7/16	(1) 1/2-13 x 1-7/16	-	Stud	Stud	8.54	5.50	3.12	5.38	4.75	4.75	C-6-3
PDS-11-HH-1	840	(1) 3/8-16 x 1	(1) 3/8-16 x 1	-	Stud	Stud	2.29	4.75	2.90	-	4.13	4.13	C-5-1
PDS-11-HH-2	840	(1) 3/8-16 x 1	(1) 3/8-16 x 1	-	Stud	Stud	4.17	4.75	2.90	1.88	4.13	4.13	C-5-2
PDS-11-HH-3	840	(1) 3/8-16 x 1	(1) 3/8-16 x 1	-	Stud	Stud	6.05	4.75	2.90	3.76	4.13	4.13	C-5-3

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) For further details on conductor classes please refer to product data sheets
UL1059 terminal block standard file No. E84782 CSA certified CSA c22.2 No. 158, File number MC 249467 (wire classes B & C only)
† Connector aluminum, tin plated
W/C supplied with cover

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Power Distribution Block

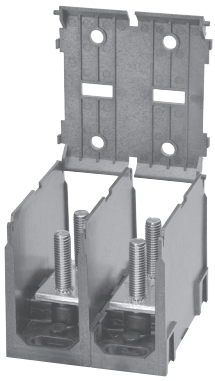
RoHS Compliant

LR-29601

TYPE
PDS

Features
- Connector, copper, tin plated
- Stud, brass, tin plated
- Phenolic base and cover material
- UL Recognized 75° C and CSA Certified
- Insulator base adders available
- Din rail or panel mountable
- Rated for 600 volts

Benefits
- Rated for copper conductor
- Intended for wires terminated with crimp lugs
- Ensures reliability
- Easily snap together to create variable pole power blocks



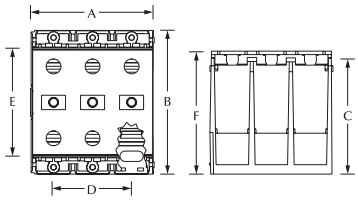


Fig. 1

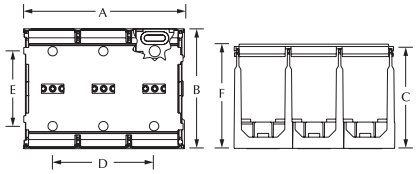


Fig. 2

Catalog Number	Figure No.	Amps	Rated Conductor Range		Stud Ctr to Ctr	Line In	Line Out	Dimensions						Cover ID
			Line	Load				A	B	C	D	E	F w/ cover	
PDS-11-UU-A+	1	200	(1) M6 x 15	(1) M6 x 15	-	Metric	Metric	1.00	3.00	2.42	-	2.25	-	NA
PDS-11-UU-1	1	200	(1) M6 x 15	(1) M6 x 15	-	Metric	Metric	1.00	3.00	2.42	-	2.25	2.57	W/C
PDS-11-UU-2	1	200	(1) M6 x 15	(1) M6 x 15	-	Metric	Metric	1.82	3.00	2.42	0.81	2.25	2.57	W/C
PDS-11-UU-3	1	200	(1) M6 x 15	(1) M6 x 15	-	Metric	Metric	2.55	3.00	2.42	1.62	2.25	2.57	W/C
PDS-11-CC-A	1	200	(1) 1/4-20 x 9/16	(1) 1/4-20 x 9/16	-	Stud	Stud	1.00	3.00	2.42	-	2.25	-	NA
PDS-11-CC-1	1	200	(1) 1/4-20 x 9/16	(1) 1/4-20 x 9/16	-	Stud	Stud	1.00	3.00	2.42	-	2.25	2.57	W/C
PDS-11-CC-2	1	200	(1) 1/4-20 x 9/16	(1) 1/4-20 x 9/16	-	Stud	Stud	1.82	3.00	2.42	0.81	2.25	2.57	W/C
PDS-11-CC-3	1	200	(1) 1/4-20 x 9/16	(1) 1/4-20 x 9/16	-	Stud	Stud	2.55	3.00	2.42	1.62	2.25	2.57	W/C
PDS-11-SS-1*	2	310	(1) M10 x 30	(1) M10 x 30	-	Metric	Metric	1.96	4.00	3.33	-	3.38	3.49	W/C
PDS-11-SS-2*	2	310	(1) M10 x 30	(1) M10 x 30	-	Metric	Metric	3.66	4.00	3.33	1.70	3.38	3.49	W/C
PDS-11-SS-3*	2	310	(1) M10 x 30	(1) M10 x 30	-	Metric	Metric	5.36	4.00	3.33	3.40	3.38	3.49	W/C
PDS-11-KK-1*	2	310	(1) 3/8-16 x 1-3/16	(1) 3/8-16 x 1-3/16	-	Stud	Stud	1.96	4.00	3.33	-	3.38	3.49	W/C
PDS-11-KK-2*	2	310	(1) 3/8-16 x 1-3/16	(1) 3/8-16 x 1-3/16	-	Stud	Stud	3.66	4.00	3.33	1.70	3.38	3.49	W/C
PDS-11-KK-3*	2	310	(1) 3/8-16 x 1-3/16	(1) 3/8-16 x 1-3/16	-	Stud	Stud	5.36	4.00	3.33	3.40	3.38	3.49	W/C

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
For further details on conductor classes please refer to product data sheets
UL1059 terminal block standard file No. E84782 CSA certified CSA c22.2 No. 158, File number MC 249467 (wire classes B & C only)
+ Cover not available for adder blocks
- Indicates that snap on cover is standard
W/C supplied with cover
* Panel mountable

F

Power Distribution Block

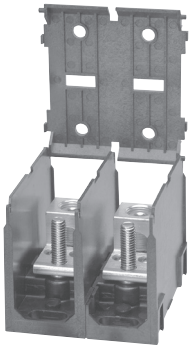
RoHS Compliant

LR-29601

TYPE
PDM

Features
- Connector, high conductive aluminium, tin plated
- Brass, tin plated stud
- UL Recognized 75° C and CSA Certified
- Insulator base adders available
- Panel Mountable
- Rated for 600 volts

Benefits
- Rated for copper and aluminum conductor
- Intended for wires terminated with crimp lugs
- Ensures Reliability
- Easily snap together to create variable pole power blocks



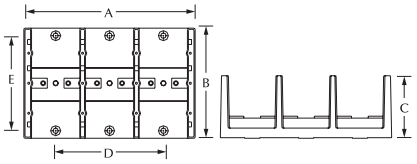


Fig. 1

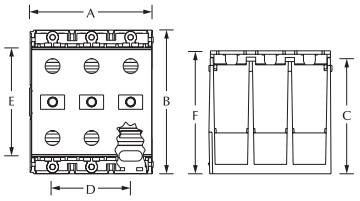


Fig. 2

Catalog Number	Fig. No.	Amps	Rated Conductor Range		Stud Ctr to Ctr	Line In	Line Out	Max A/C	Dimensions						Cover ID
			Line	Load					A	B	C	D	E	F w/cover	
PDM-11-2/0F-1	1	175	(1) 2/0-#14 Awg	(1) 1/4-20 x 1-3/8	-	Lug	Stud	-	1.94	4.00	2.61	-	3.38	3.38	C-4-1
PDM-11-2/0F-2	1	175	(1) 2/0-#14 Awg	(1) 1/4-20 x 1-3/8	-	Lug	Stud	-	3.47	4.00	2.61	1.53	3.38	3.38	C-4-2
PDM-11-2/0F-3	1	175	(1) 2/0-#14 Awg	(1) 1/4-20 x 1-3/8	-	Lug	Stud	-	5.00	4.00	2.61	3.06	3.38	3.38	C-4-3
PDM-11-350J-1	1	310	(1) 350 kcmil-#6 Awg	(1) 3/8-16 x 1-1/8	-	Lug	Stud	65KA	1.94	4.00	2.61	-	3.38	3.38	C-4-1
PDM-11-350J-2	1	310	(1) 350 kcmil-#6 Awg	(1) 3/8-16 x 1-1/8	-	Lug	Stud	65KA	3.47	4.00	2.61	1.53	3.38	3.38	C-4-2
PDM-11-350J-3	1	310	(1) 350 kcmil-#6 Awg	(1) 3/8-16 x 1-1/8	-	Lug	Stud	65KA	5.00	4.00	2.61	3.06	3.38	3.38	C-4-3
PDM-12-500D-1	1	380	(1) 500 kcmil-#4 Awg	(2) 1/4-20 x 1-1/16	.750	Lug	Stud	-	2.29	4.75	2.90	-	4.13	4.13	C-5-1
PDM-12-500D-2	1	380	(1) 500 kcmil-#4 Awg	(2) 1/4-20 x 1-1/16	.750	Lug	Stud	-	4.17	4.75	2.90	1.88	4.13	4.13	C-5-2
PDM-12-500D-3	1	380	(1) 500 kcmil-#4 Awg	(2) 1/4-20 x 1-1/16	.750	Lug	Stud	-	6.05	4.75	2.90	3.76	4.13	4.13	C-5-3
PDM-11-500N-1	1	380	(1) 500 kcmil-#4 Awg	(1) 3/8-16 x 1-5/16	-	Lug	Stud	-	2.29	4.75	2.90	-	4.13	4.13	C-5-1
PDM-11-500N-2	1	380	(1) 500 kcmil-#4 Awg	(1) 3/8-16 x 1-5/16	-	Lug	Stud	-	4.17	4.75	2.90	1.88	4.13	4.13	C-5-2
PDM-11-500N-3	1	380	(1) 500 kcmil-#4 Awg	(1) 3/8-16 x 1-5/16	-	Lug	Stud	-	6.05	4.75	2.90	3.76	4.13	4.13	C-5-3
PDM-21-500Q-1	1	760	(2) 500 kcmil-#4 Awg	(1) 1/2-13 x 1-5/16	-	Lug	Stud	-	3.17	5.50	3.12	-	4.75	4.75	C-6-1
PDM-21-500Q-2	1	760	(2) 500 kcmil-#4 Awg	(1) 1/2-13 x 1-5/16	-	Lug	Stud	-	5.85	5.50	3.12	2.69	4.75	4.75	C-6-2
PDM-21-500Q-3	1	760	(2) 500 kcmil-#4 Awg	(1) 1/2-13 x 1-5/16	-	Lug	Stud	-	8.54	5.50	3.12	5.38	4.75	4.75	C-6-3
PDM-22-500N-1	1	760	(2) 500 kcmil-#4 Awg	(2) 3/8-16 x 1-5/16	1.160	Lug	Stud	-	3.17	5.50	3.12	-	4.75	4.75	C-6-1
PDM-22-500N-2	1	760	(2) 500 kcmil-#4 Awg	(2) 3/8-16 x 1-5/16	1.160	Lug	Stud	-	5.85	5.50	3.12	2.69	4.75	4.75	C-6-2
PDM-22-500N-3	1	760	(2) 500 kcmil-#4 Awg	(2) 3/8-16 x 1-5/16	1.160	Lug	Stud	-	8.54	5.50	3.12	5.38	4.75	4.75	C-6-3
PDMN-11-2A-1	2	115	(1) #2-#14 Awg	(1) 10-32 x .60	-	Lug	Stud	-	0.83	2.29	1.53	-	2.07	2.07	CVR-2-1
PDMN-11-2A-2	2	115	(1) #2-#14 Awg	(1) 10-32 x .60	-	Lug	Stud	-	1.46	2.29	1.53	-	2.07	2.07	CVR-2-2
PDMN-11-2A-3	2	115	(1) #2-#14 Awg	(1) 10-32 x .60	-	Lug	Stud	-	2.10	2.29	1.53	1.27	2.07	2.07	CVR-2-3
PDMN-11-2A-4	2	115	(1) #2-#14 Awg	(1) 10-32 x .60	-	Lug	Stud	-	2.75	2.29	1.53	1.93	2.07	2.07	CVR-2-4
PDM-11-2/0T-A‡*	2	175	(1) 2/0-#14 Awg	(1) M6 x 13	-	Lug	Metric	-	1.00	3.00	2.42	-	2.25	-	NA
PDM-11-2/0T-1‡	2	175	(1) 2/0-#14 Awg	(1) M6 x 13	-	Lug	Metric	-	1.00	3.00	2.42	-	2.25	2.57	W/C
PDM-11-2/0T-2‡	2	175	(1) 2/0-#14 Awg	(1) M6 x 13	-	Lug	Metric	-	1.82	3.00	2.42	0.81	2.25	2.57	W/C
PDM-11-2/0T-3‡	2	175	(1) 2/0-#14 Awg	(1) M6 x 13	-	Lug	Metric	-	2.55	3.00	2.42	1.63	2.25	2.57	W/C
PDM-11-2/0B-A*	2	175	(1) 2/0-#14 Awg	(1) 1/4-20 x 1/2	-	Lug	Stud	100KA	1.00	3.00	2.42	-	2.25	-	NA
PDM-11-2/0B-1	2	175	(1) 2/0-#14 Awg	(1) 1/4-20 x 1/2	-	Lug	Stud	100KA	1.00	3.00	2.42	-	2.25	2.57	W/C
PDM-11-2/0B-2	2	175	(1) 2/0-#14 Awg	(1) 1/4-20 x 1/2	-	Lug	Stud	100KA	1.82	3.00	2.42	0.81	2.25	2.57	W/C
PDM-11-2/0B-3	2	175	(1) 2/0-#14 Awg	(1) 1/4-20 x 1/2	-	Lug	Stud	100KA	2.55	3.00	2.42	1.63	2.25	2.57	W/C

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG) For further details on conductor classes please refer to product data sheets
UL1059 terminal block standard file No. E84782 CSA certified CSA c22.2 No. 158, File number MC 249467 (wire classes B & C only)
* Cover not available for adder blocks
W/C supplied with cover ‡ Steel Stud

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Power Distribution Block

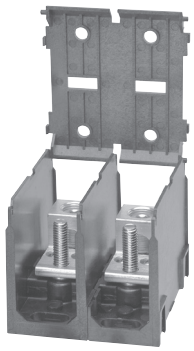
RoHS Compliant

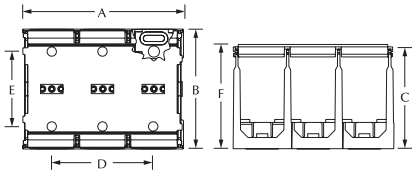
LR-29601

TYPE
PDM

Features
- Connector, high conductive aluminium, tin plated
- Brass, tin plated stud
- UL Recognized 75° C and CSA Certified
- Insulator base adders available
- Panel Mountable
- Rated for 600 volts

Benefits
- Rated for copper and aluminum conductor
- Intended for wires terminated with crimp lugs
- Ensures Reliability
- Easily snap together to create variable pole power blocks





Catalog Number	Amps	Rated Conductor Range		Stud Ctr to Ctr	Line In	Line Out	Max A/C	Dimensions						Cover ID
		Line	Load					A	B	C	D	E	F w/cover	
PDM-11-350S-1	310	(1) 350 kcmil-#6 Awg	(1) M10 x 30	-	Lug	Metric	-	1.96	4.00	3.33	-	3.38	3.49	W/C
PDM-11-350S-2	310	(1) 350 kcmil-#6 Awg	(1) M10 x 30	-	Lug	Metric	-	3.66	4.00	3.33	1.70	3.38	3.49	W/C
PDM-11-350S-3	310	(1) 350 kcmil-#6 Awg	(1) M10 x 30	-	Lug	Metric	-	5.36	4.00	3.33	3.40	3.38	3.49	W/C
PDM-11-350M-1	310	(1) 350 kcmil-#6 Awg	(1) 3/8-16 x 1-1/4	-	Lug	Stud	65KA	1.96	4.00	3.33	-	3.38	3.49	W/C
PDM-11-350M-2	310	(1) 350 kcmil-#6 Awg	(1) 3/8-16 x 1-1/4	-	Lug	Stud	65KA	3.66	4.00	3.33	1.70	3.38	3.49	W/C
PDM-11-350M-3	310	(1) 350 kcmil-#6 Awg	(1) 3/8-16 x 1-1/4	-	Lug	Stud	65KA	5.36	4.00	3.33	3.40	3.38	3.49	W/C
PDM-18-S2-1	510	(1) M10 x 30	(8) #2-#14 Awg	-	Metric	Lug	-	1.96	4.00	3.33	-	3.38	3.49	W/C
PDM-18-S2-2	510	(1) M10 x 30	(8) #2-#14 Awg	-	Metric	Lug	-	3.66	4.00	3.33	1.70	3.38	3.49	W/C
PDM-18-S2-3	510	(1) M10 x 30	(8) #2-#14 Awg	-	Metric	Lug	-	5.36	4.00	3.33	3.40	3.38	3.49	W/C
PDM-112-S4-1	510	(1) M10 x 30	(12) #4-#14 Awg	-	Metric	Lug	-	1.96	4.00	3.33	-	3.38	3.49	W/C
PDM-112-S4-2	510	(1) M10 x 30	(12) #4-#14 Awg	-	Metric	Lug	-	3.66	4.00	3.33	1.70	3.38	3.49	W/C
PDM-112-S4-3	510	(1) M10 x 30	(12) #4-#14 Awg	-	Metric	Lug	-	5.36	4.00	3.33	3.40	3.38	3.49	W/C
PDM-14-S2/0-1	510	(1) M10 x 30	(4) 2/0-#14 Awg	-	Metric	Lug	-	1.96	4.00	3.33	-	3.38	3.49	W/C
PDM-14-S2/0-2	510	(1) M10 x 30	(4) 2/0-#14 Awg	-	Metric	Lug	-	3.66	4.00	3.33	1.70	3.38	3.49	W/C
PDM-14-S2/0-3	510	(1) M10 x 30	(4) 2/0-#14 Awg	-	Metric	Lug	-	5.36	4.00	3.33	3.40	3.38	3.49	W/C
PDM-18-K2-1	510	(1) 3/8-16 x 1-3/16	(8) #2-#14 Awg	-	Stud	Lug	-	1.96	4.00	3.33	-	3.38	3.49	W/C
PDM-18-K2-2	510	(1) 3/8-16 x 1-3/16	(8) #2-#14 Awg	-	Stud	Lug	-	3.66	4.00	3.33	1.70	3.38	3.49	W/C
PDM-18-K2-3	510	(1) 3/8-16 x 1-3/16	(8) #2-#14 Awg	-	Stud	Lug	-	5.36	4.00	3.33	3.40	3.38	3.49	W/C
PDM-112-K4-1	510	(1) 3/8-16 x 1-3/16	(12) #4-#14 Awg	-	Stud	Lug	-	1.96	4.00	3.33	-	3.38	3.49	W/C
PDM-112-K4-2	510	(1) 3/8-16 x 1-3/16	(12) #4-#14 Awg	-	Stud	Lug	-	3.66	4.00	3.33	1.70	3.38	3.49	W/C
PDM-112-K4-3	510	(1) 3/8-16 x 1-3/16	(12) #4-#14 Awg	-	Stud	Lug	-	5.36	4.00	3.33	3.40	3.38	3.49	W/C
PDM-14-K2/0-1	510	(1) 3/8-16 x 1-3/16	(4) 2/0-#14 Awg	-	Stud	Lug	-	1.96	4.00	3.33	-	3.38	3.49	W/C
PDM-14-K2/0-2	510	(1) 3/8-16 x 1-3/16	(4) 2/0-#14 Awg	-	Stud	Lug	-	3.66	4.00	3.33	1.70	3.38	3.49	W/C
PDM-14-K2/0-3	510	(1) 3/8-16 x 1-3/16	(4) 2/0-#14 Awg	-	Stud	Lug	-	5.36	4.00	3.33	3.40	3.38	3.49	W/C

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
For further details on conductor classes please refer to product data sheets
UL1059 terminal block standard file No. E84782 CSA certified CSA c22.2 No. 158, File number MC 249467 (wire classes B & C only)
W/C supplied with cover

F

Snapbloc® Power Distribution Blocks
Modular Design - Dual Rated

RoHS Compliant

UL LISTED 45U4

TYPE
LDAU
LDBU

Features
- Modular design
- Easy to assemble
- UL listed 90° C 600 Volts
- Electro-tin plated aluminum
- Multiple conductor capability

Benefits
- Simplifies stocking. Combines any number of blocks with multiple
- conductor ranges into the specific configuration required for the job.
- Unique locking feature allows individual blocks to be combined quickly without special tools
- Ensures reliability
- Suitable for use with both copper and aluminum conductors in any combination
- Individual blocks supplied in a variety of configurations with one or two main cable ports and four, six, or twelve taps. All are range taking.

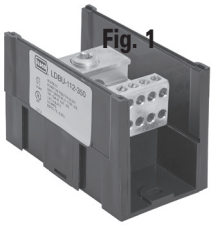


Fig. 1

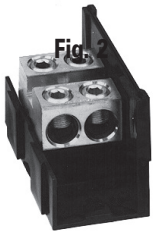


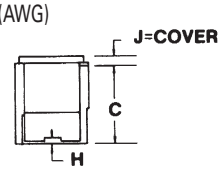
Fig. 2

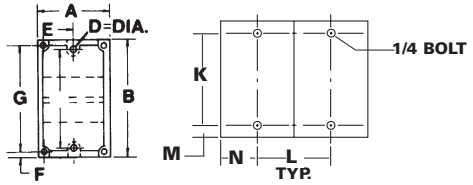
Catalog Number	Fig. No.	Connector		Primary			Secondary			Ampere Rating Per Pole
		Primary	Secondary	Wire Range	Openings Per Pole	Hex Size	Wire Range	Openings Per Pole	Hex Size	
LDBU-112-350 LDAU-112-350	1 2			350kcmil-6 350kcmil-6	1 1	3/8	4-14 4-14	12 12	Slot	310 310
DBU-112A-350 LDAU-112A-350	1 2			350kcmil-6 350kcmil-6	1 1	3/8	4-14 4-14	12 12	Slot	310 310
LDBU-16-350 LDAU-16-350	1 2			350kcmil-6 350kcmil-6	1 1	3/8	2/0-14 2/0-14	6 6	Slot	310 310
LDBU-16-500 LDAU-16-500	1 2			500kcmil-4 500kcmil-4	1 1	3/8	2/0-14 2/0-14	6 6	Slot	380 380
LDBU-26-350 LDAU-26-350	1 2			350kcmil-6 350kcmil-6	2 2	3/8	2/0-14 2/0-14	6 6	Slot	620 620
LDBU-212-4/0 LDAU-212-4/0	1 2			4/0-6 4/0-6	2 2	3/8	4-14 4-14	12 12	Slot	460 460
LDBU-212-500 LDAU-212-500	1 2			500kcmil-4 500kcmil-4	2 2	3/8	4-14 4-14	12 12	Slot	760 760
LDBU-26-500 LDAU-26-500	1 2			500kcmil-4 500kcmil-4	2 2	3/8	2/0-14 2/0-14	6 6	3/16	760 760
LDBU-24-500 LDAU-24-500	1 2			500kcmil-4 500kcmil-4	2 2	3/8	4/0-6 4/0-6	4 4	5/16	760 760
LDBU-11-500 LDAU-11-500	1 2			500kcmil-4 500kcmil-4	1 1	3/8	500kcmil-4 500kcmil-4	4 4	3/8	380 380
LDBU-22-350 LDAU-22-350	1 2			350kcmil-6 350kcmil-6	2 2	3/8	350kcmil-6 350kcmil-6	2 2	3/8	620 620
LDBU-22-500 LDAU-22-500	1 2			500kcmil-4 500kcmil-4	2 2	3/8	500kcmil-4 500kcmil-4	2 2	3/8	760 760

Side Panel can be ordered separately Cat. No. LDS-1

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 1953, UL File E112158





Dimensions

A	B	C	D=Dia.	E	F	G	H	J=Cover	K	L	M	N
3	5-1/2	3-7/16	.28 Slot	1-1/2	5/16	4-7/8	1/4	1/2	4.75	2.69	.38	1.50

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Type Power Distribution Blocks
Lay-In - Dual Rated

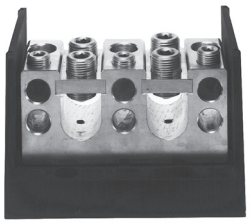
RoHS Compliant

UL LISTED 45U4

TYPE
PDBU

Features
- Lay-In primary cable ports
- Valox insulating base
- UL 1953 Listed for 600 volts
- Electro-tin plated
- Manufactured from high strength aluminum

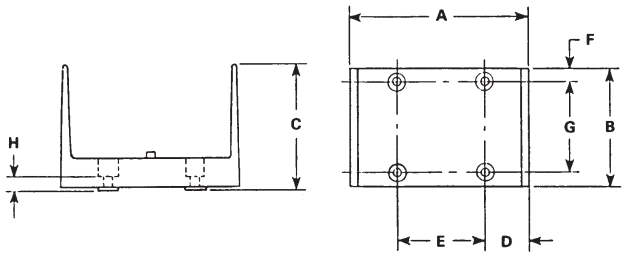
Benefits
- Designed for feed through of two primary conductors and up to six taps with no need to break the main feeder cable
- Provides a high degree of impact resistance with superior insulating qualities
- Ensures reliability
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors



Catalog Number	Connector		Primary		Secondary		Ampere Rating Per Pole	No. of Poles	Hex Size	
	Primary	Secondary	Wire Range	Openings Per Pole	Wire Range	Openings Per Pole			Primary	Secondary
PDBU-26-750-1			750kcmil-250kcmil	2	250kcmil-6	6	950	1	3/8	1/4

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 1953, UL File E112158

F



Block Size	No. of Poles	Dimensions							
		A	B	C	D	E	F	G	H
W	1	6-7/32	4	4-3/8	1-19/32	3	3/8	3-1/4	7/16

* Valox® is a registered trade name of the General Electric Company.

Power Distribution Block
Copper Only

RoHS Compliant

UL LISTED 45U4

TYPE
PDBU

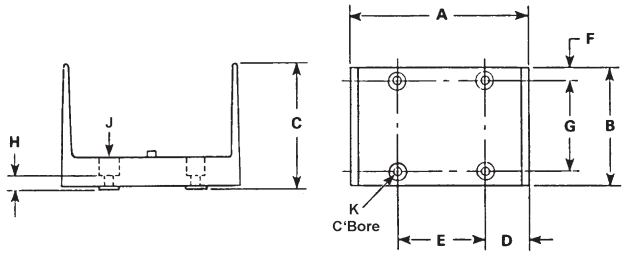
Features
- Manufactured from high strength aluminum
- Valox* insulating base
- UL 1953 Listed 90˚ C 600 volts
- Electro-tin plated

Benefits
- Reliable use for copper conductor only
- Provides a high degree of impact resistance with superior insulating qualities
- Ensures reliability
- Provides low contact resistance

F

Catalog Number	Connector		Primary		Secondary		Ampere Rating Per Pole	No. of Poles	Block Size	Hex Size	
	Primary	Secondary	Wire Range	Openings Per Pole	Wire Range	Openings Per Pole				Primary	Secondary
PDBU-55-600-1			600kcmil-250kcmil	5	600kcmil-250kcmil	5	1900	1	W	3/8	3/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Valox® is a registered trade name of the General Electric Company.
A versatile tap hole, wire range 8-14 AWG included on the connector.
Tested to UL 1953, UL File E112158



Block Size	No. of Poles	Dimensions									
		A	B	C	D	E	F	G	H	J	K
W	1	6-7/32	4	4-3/8	1-19/32	3	3/8	3-1/4	7/16	9/32	9/16

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Power Distribution Blocks
Dual Rated

RoHS Compliant

UL LISTED 45U4

TYPE
PDBU

Features
- Multiple taps
- Valox® insulating base
- UL 1953 Listed 90° C 600 Volts
- Electro-tin plated
- Manufactured from high strength aluminum
- Short Circuit Rating 10K RMS SYM Amps

Benefits
- Three different connector configurations provide a wide range of tapping capabilities for up to four primary conductors
- Provides a high degree of impact resistance with superior insulating qualities
- Ensures reliability
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors
- Added protection

Fig. 1

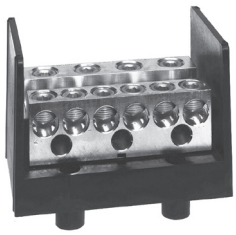


Fig. 2

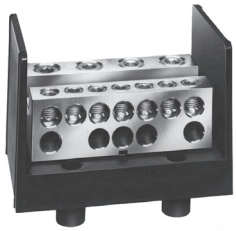


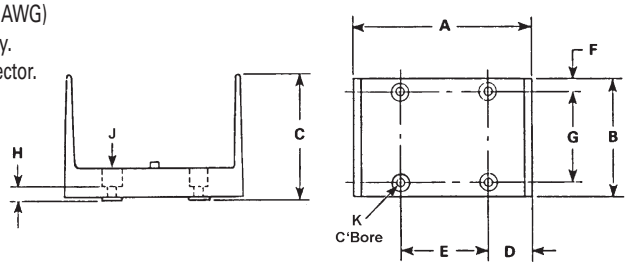
Fig. 3

Fig. 4

Catalog Number	Figure No.	Connector		Primary		Secondary		Ampere Rating Per Pole	No. of Poles	Block Size	Hex Size	
		Primary	Secondary	Wire Range	Openings Per Pole	Wire Range	Openings Per Pole				Primary	Secondary
PDBU-428-500-1	1			500kcmil-4	4	4-14	28	1520	1	W	3/8	Slot
PDBU-49-500-1	2			500kcmil-4	4	350kcmil-6 4/0-6	6 3	1520	1	W	3/8	3/8 5/16
PDBU-55-500-1	4			500kcmil-3/0	5	500kcmil-3/0	5	1600	1	W	3/8	3/8
PDBU-412-500-1	3			500kcmil-4	4	4/0-6	12	1520	1	W	3/8	5/16

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Valox® is a registered trade name of the General Electric Company.
° A versatile tap hole, wire range 8-14 AWG included on the connector.

Tested to UL 1953, UL File E112158



Block Size	No. of Poles	Dimensions									
		A	B	C	D	E	F	G	H	J	K
W	1	6-7/32	4	4-3/8	1-19/32	3	3/8	3-1/4	7/16	9/32	9/16

F

Snapbloc®
Power Distribution Blocks
Modular Design - Dual Rated

RoHS Compliant

LR-29601

TYPE
LDA
LDB

Features
- Modular design
- Easy to assemble
- UL Recognized 90° C 600 Volts and is CSA Certified
- Electro-tin plated aluminum
- Clear cover included
- Multiple conductor capability

Benefits
- Simplifies stocking. Combines any number of blocks with multiple
- conductor ranges into the specific configuration required for the job.
- Unique locking feature allows individual blocks to be combined quickly without special tools
- Ensures reliability
- Suitable for use with both copper and aluminum conductors in any combination
- Permits visual inspection
- Individual blocks supplied in a variety of configurations with one or two main cable ports and four, six, or twelve taps. All are range taking.

Fig. 1

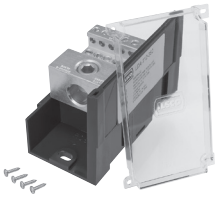


Fig. 2

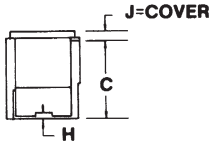
F

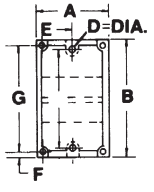
Catalog Number	Fig. No.	Connector		Primary			Secondary			Ampere Rating Per Pole
		Primary	Secondary	Wire Range	Openings Per Pole	Hex Size	Wire Range	Openings Per Pole	Hex Size	
LDB-112-350	1			350kcmil-6	1	3/8	4-14	12	Slot	310
LDA-112-350	2			350kcmil-6	1		4-14	12		310
LDB-112A-350	1			350kcmil-6	1	3/8	4-14	12	Slot	310
LDA-112A-350	2			350kcmil-6	1		4-14	12		310
LDB-16-350	1			350kcmil-6	1	3/8	2/0-14	6	3/16	310
LDA-16-350	2			350kcmil-6	1		2/0-14	6		310
LDB-16-500	1			500kcmil-4	1	3/8	2/0-14	6	3/16	380
LDA-16-500	2			500kcmil-4	1		2/0-14	6		380
LDB-26-350	1			350kcmil-6	2	3/8	2/0-14	6	3/16	620
LDA-26-350	2			350kcmil-6	2		2/0-14	6		620
LDB-212-4/0	1			4/0-6	2	1/4	4-14	12	Slot	460
LDA-212-4/0	2			4/0-6	2		4-14	12		460
LDB-212-500	1			500kcmil-4	2	3/8	4-14	12	Slot	760
LDA-212-500	2			500kcmil-4	2		4-14	12		760
LDB-26-500	1			500kcmil-4	2	3/8	2/0-14	6	3/16	760
LDA-26-500	2			500kcmil-4	2		2/0-14	6		760
LDB-24-500	1			500kcmil-4	2	3/8	4/0-6	4	5/16	760
LDA-24-500	2			500kcmil-4	2		4/0-6	4		760
LDB-11-500	1			500kcmil-4	1	3/8	500kcmil-4	1	3/8	380
LDA-11-500	2			500kcmil-4	1		500kcmil-4	1		380
LDB-22-350	1			350kcmil-6	2	3/8	350kcmil-6	2	3/8	620
LDA-22-350	2			350kcmil-6	2		350kcmil-6	2		620
LDB-22-500	1			500kcmil-4	2	3/8	500kcmil-4	2	3/8	760
LDA-22-500	2			500kcmil-4	2		500kcmil-4	2		760

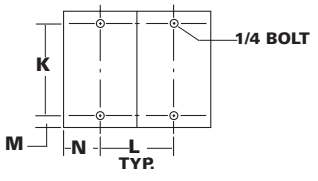
Side Panel can be ordered separately Cat. No. LDS-1

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 1059, UL File E84782







Dimensions

A	B	C	D=Dia.	E	F	G	H	J=Cover	K	L	M	N
3	5-1/2	3-7/16	.28 Slot	1-1/2	5/16	4-7/8	1/4	1/2	4.75	2.69	.38	1.50

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Modular Type
Power Distribution Blocks
Dual Rated

RoHS Compliant

LR-29601

TYPE
PDA
PDC

Features
- Modular design
- Easy to assemble
- UL Recognized 90˚ C 600 Volts and is CSA Certified
- Electro-tin plated
- Lexan* insulating base
- Manufactured from high strength aluminum

Benefits
- Simplifies stocking. Combines any number of blocks with multiple conductor ranges into the specific configuration required for the job.
- Unique locking feature allows individual blocks to be combined quickly without special tools
- Ensures reliability
- Provides low contact resistance
- Provides a high degree of impact resistance with superior insulating qualities
- Suitable for use with either copper or aluminum conductors

Fig. 1

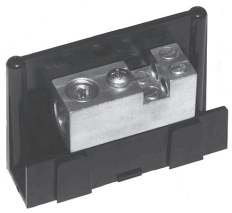


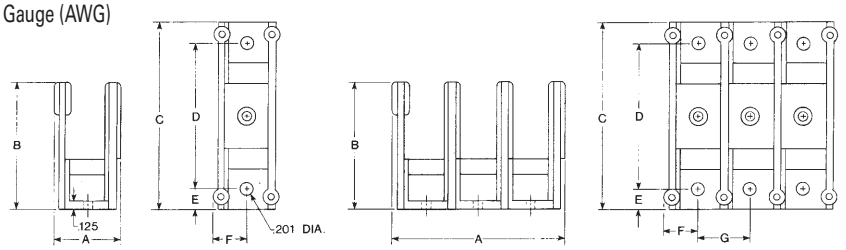
Fig. 2

Fig. 3

Fig. 4

Catalog Number	Figure No.	Connector		Primary		Secondary		Ampere Rating Per Pole	No. of Poles	Hex Size	
		Primary	Secondary	Wire Range	Openings Per Pole	Wire Range	Openings Per Pole			Primary	Secondary
PDC-14-2/0-1	1			2/0-14	1	4-14	4	175	1	3/16	Slot
PDA-14-2/0-1	2			2/0-14	1	4-14	4	175	Adder	3/16	Slot
PDC-11-2/0-1	3			2/0-14	1	2/0-14	1	175	1	3/16	3/16
PDA-11-2/0-1	4			2/0-14	1	2/0-14	1	175	Adder	3/16	3/16

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Covers available 1-10 Poles. Specify length.
*Lexan is a registered trademark of
SABIC INNOVATIVE PLASTICS HOLDINGS BV.
Tested to UL 1059, UL File E84782



Block Size	No. of Poles	Dimensions						
		A	B	C	D	E	F	G
S	1	1.05	1.94	2.88	2.25	.31	.53	.80
S	2	1.85	1.94	2.88	2.25	.31	.53	.80

"A" Dimension increases by .80 per additional pole.

Covers Poles 1-6		
R1835A00A	PDA/PDC	1 Pole Cover
R1834A00A	PDA/PDC	2 Pole Cover
R1480A00A	PDA/PDC	3 Pole Cover
R1836A00A	PDA/PDC	4 Pole Cover
R2281A00A	PDA/PDC	6 Pole Cover

F

Power Distribution Blocks
Dual Rated

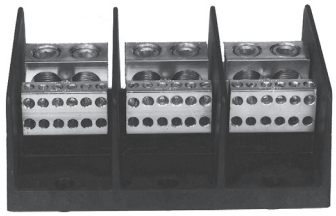
RoHS Compliant

LR-29601

TYPE
PDB

Features
- Range taking
- Valox* insulating base
- Electro-tin plated
- Manufactured from high strength aluminum
- UL Recognized rated 90˚ C and is CSA Certified, rated for 600 volts

Benefits
- Provides great flexibility in using the connector as an in line splice or to reduce conductor size
- Provides a high degree of impact resistance with superior insulating qualities
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors
- Ensures reliability



Catalog Number	Connector		Primary		Secondary		Ampere Rating Per Pole	No. of Poles	Block Size	Hex Size	
	Primary	Secondary	Wire Range	Openings Per Pole	Wire Range	Openings Per Pole				Primary	Secondary
PDB-16-2/0-1			2/0-12	1	4-14	6	175	1	M		
PDB-16-2/0-2			2/0-12	1	4-14	6	175	2	M	3/16	Slot
PDB-16-2/0-3			2/0-12	1	4-14	6	175	3	M		
PDB-26-2/0-1			2/0-12	2	2-14	6	350	1	M		
PDB-26-2/0-2			2/0-12	2	2-14	6	350	2	M	3/16	Slot
PDB-26-2/0-3			2/0-12	2	2-14	6	350	3	M		
PDB-112-350-1			350kcmil-6	1	4-14	12	310	1	L		
PDB-112-350-2			350kcmil-6	1	4-14	12	310	2	L	3/8	Slot
PDB-112-350-3			350kcmil-6	1	4-14	12	310	3	L		
PDB-112A-350-1			350kcmil-6	1	4-14	12	310	1	M		
PDB-112A-350-2			350kcmil-6	1	4-14	12	310	2	M	3/8	Slot
PDB-112A-350-3			350kcmil-6	1	4-14	12	310	3	M		
PDB-14-500-1			500kcmil-4	1	2/0-14	4	380	1	M		
PDB-14-500-2			500kcmil-4	1	2/0-14	4	380	2	M	3/8	3/16
PDB-14-500-3			500kcmil-4	1	2/0-14	4	380	3	M		
PDB-16-350-1			350kcmil-6	1	2/0-14	6	310	1	L		
PDB-16-350-2			350kcmil-6	1	2/0-14	6	310	2	L	3/8	3/16
PDB-16-350-3			350kcmil-6	1	2/0-14	6	310	3	L		
PDB-162-500-1			500kcmil-4	1	2-14	6	380	1	M		
PDB-162-500-2			500kcmil-4	1	2-14	6	380	2	M	3/8	Slot
PDB-162-500-3			500kcmil-4	1	2-14	6	380	3	M		

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* Valox® is a registered trade name of the General Electric Company.

Tested to UL 1059, UL File E84782

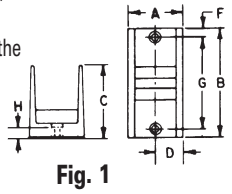


Fig. 1

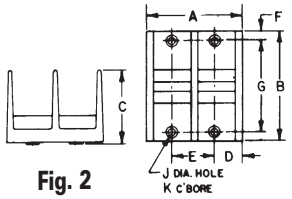


Fig. 2

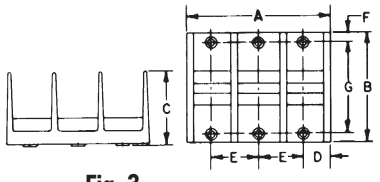


Fig. 3

Block Size	No. of Poles	Fig. No.	Dimensions									
			A	B	C	D	E	F	G	H	J	K
M	1	1	1-27/32	4	2-5/8	31/32	-	5/16	3-3/8	3/8	13/64	13/32
M	2	2	3-13/32	4	2-5/8	31/32	1-17/32	5/16	3-3/8	3/8	13/64	13/32
M	3	3	5	4	2-5/8	31/32	1-17/32	5/16	3-3/8	3/8	13/64	13/32
L	1	1	3	5-1/2	3-1/2	1-1/2	-	3/8	4-3/4	7/16	9/32	1/2
L	2	2	5-11/16	5-1/2	3-1/2	1-1/2	2-11/16	3/8	4-3/4	7/16	9/32	1/2
L	3	3	8-3/8	5-1/2	3-1/2	1-1/2	2-11/16	3/8	4-3/4	7/16	9/32	1/2

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Power Distribution Blocks
Dual Rated

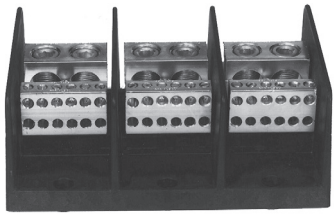
RoHS Compliant

LR-29601

TYPE
PDB

Features
- Range taking
- Valox* insulating base
- Electro-tin plated
- Manufactured from high strength aluminum
- UL Recognized rated 90˚ C and is CSA Certified, rated for 600 volts

Benefits
- Provides great flexibility in using the connector as an in line splice or to reduce conductor size
- Provides a high degree of impact resistance with superior insulating qualities
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors
- Ensures reliability



Catalog Number	Connector		Primary		Secondary		Ampere Rating Per Pole	No. of Poles	Block Size	Hex Size	
	Primary	Secondary	Wire Range	Openings Per Pole	Wire Range	Openings Per Pole				Primary	Secondary
PDB-212-4/0-1			4/0-6	2	4-14	12	460	1	M		
PDB-212-4/0-2			4/0-6	2	4-14	12	460	2	M	3/8	Slot
PDB-212-4/0-3			4/0-6	2	4-14	12	460	3	M		
PDB-26-350-1			350kcmil-6	2	2/0-14	6	620	1	L		
PDB-26-350-2			350kcmil-6	2	2/0-14	6	620	2	L	3/8	3/16
PDB-26-350-3			350kcmil-6	2	2/0-14	6	620	3	L		
PDB-16-500-1			500kcmil-4	1	2/0-14	6	380	1	L		
PDB-16-500-2			500kcmil-4	1	2/0-14	6	380	2	L	3/8	3/16
PDB-16-500-3			500kcmil-4	1	2/0-14	6	380	3	L		
PDB-212-500-1			500kcmil-4	2	4-14	12	760	1	L		
PDB-212-500-2			500kcmil-4	2	4-14	12	760	2	L	3/8	Slot
PDB-212-500-3			500kcmil-4	2	4-14	12	760	3	L		
PDB-24-500-1			500kcmil-4	2	4/0-6	4	760	1	L		
PDB-24-500-2			500kcmil-4	2	4/0-6	4	760	2	L	3/8	5/16
PDB-24-500-3			500kcmil-4	2	4/0-6	4	760	3	L		
PDB-26-500-2			500kcmil-4	2	2/0-14	6	760	1	L		
PDB-26-500-1			500kcmil-4	2	2/0-14	6	760	2	L	3/8	3/16
PDB-26-500-3			500kcmil-4	2	2/0-14	6	760	3	L		

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* Valox® is a registered trade name of the General Electric Company.

Tested to UL 1059, UL File E84782

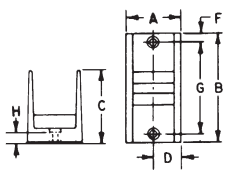


Fig. 1

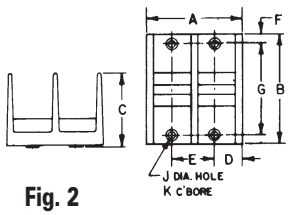


Fig. 2

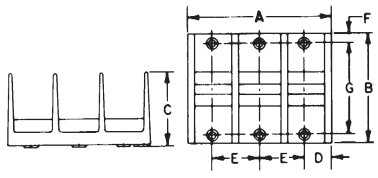


Fig. 3

Block Size	No. of Poles	Fig. No.	Dimensions									
			A	B	C	D	E	F	G	H	J	K
M	1	1	1-27/32	4	2-5/8	31/32	-	5/16	3-3/8	3/8	13/64	13/32
M	2	2	3-13/32	4	2-5/8	31/32	1-17/32	5/16	3-3/8	3/8	13/64	13/32
M	3	3	5	4	2-5/8	31/32	1-17/32	5/16	3-3/8	3/8	13/64	13/32
L	1	1	3	5-1/2	3-1/2	1-1/2	-	3/8	4-3/4	7/16	9/32	1/2
L	2	2	5-11/16	5-1/2	3-1/2	1-1/2	2-11/16	3/8	4-3/4	7/16	9/32	1/2
L	3	3	8-3/8	5-1/2	3-1/2	1-1/2	2-11/16	3/8	4-3/4	7/16	9/32	1/2

F

Power Distribution Blocks
Dual Rated

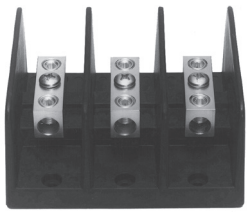
RoHS Compliant

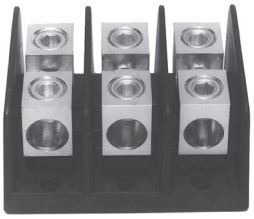
LR-29601

TYPE
PDB

Features
- Multiple taps
- Range taking
- Valox* insulating base
- Electro-tin plated
- Manufactured from high strength aluminum
- UL Recognized rated 90° C and is CSA Certified,
- rated for 600 volts

Benefits
- Depending on product selected, up to twelve taps can be taken from one or two mains
- Provides tapping flexibility over a broad wire range
- Provides a high degree of impact resistance with superior insulating qualities
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors
- Ensures reliability





F

Catalog Number	Connector		Primary		Secondary		Ampere Rating Per Pole	No. of Poles	Block Size	Hex Size	
	Primary	Secondary	Wire Range	Openings Per Pole	Wire Range	Openings Per Pole				Primary	Secondary
PDB-11-2/0-1			2/0-14	1	2/0-14	1	175	1	M		
PDB-11-2/0-2			2/0-14	1	2/0-14	1	175	2	M	3/16	3/16
PDB-11-2/0-3			2/0-14	1	2/0-14	1	175	3	M		
PDB-11-350-1			350kcmil-6	1	350kcmil-6	1	310	1	M		
PDB-11-350-2			350kcmil-6	1	350kcmil-6	1	310	2	M	3/8	3/8
PDB-11-350-3			350kcmil-6	1	350kcmil-6	1	310	3	M		
PDB-11-500-1			500kcmil-4	1	500kcmil-4	1	380	1	L		
PDB-11-500-2			500kcmil-4	1	500kcmil-4	1	380	2	L	3/8	3/8
PDB-11-500-3			500kcmil-4	1	500kcmil-4	1	380	3	L		
PDB-22-2/0-1			2/0-14	2	2/0-14	2	350	1	M		
PDB-22-2/0-2			2/0-14	2	2/0-14	2	350	2	M	3/16	3/16
PDB-22-2/0-3			2/0-14	2	2/0-14	2	350	3	M		
PDB-22-350-1			350kcmil-6	2	350kcmil-6	2	620	1	L		
PDB-22-350-2			350kcmil-6	2	350kcmil-6	2	620	2	L	3/8	3/8
PDB-22-350-3			350kcmil-6	2	350kcmil-6	2	620	3	L		
PDB-22-500-1			500kcmil-4	2	500kcmil-4	2	760	1	L		
PDB-22-500-2			500kcmil-4	2	500kcmil-4	2	760	2	L	3/8	3/8
PDB-22-500-3			500kcmil-4	2	500kcmil-4	2	760	3	L		

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* Valox® is a registered trade name of the General Electric Company.

Tested to UL 1059, UL File E84782

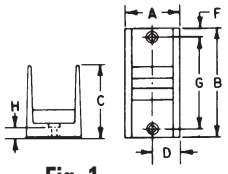


Fig. 1

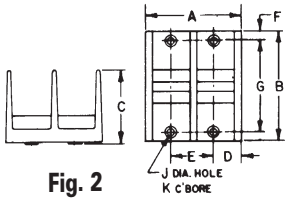


Fig. 2

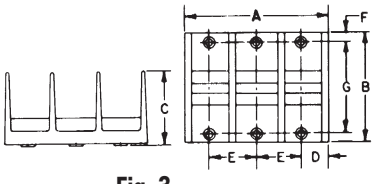


Fig. 3

Block Size	No. of Poles	Fig. No.	Dimensions									
			A	B	C	D	E	F	G	H	J	K
M	1	1	1-27/32	4	2-5/8	31/32	-	5/16	3-3/8	3/8	13/64	13/32
M	2	2	3-13/32	4	2-5/8	31/32	1-17/32	5/16	3-3/8	3/8	13/64	13/32
M	3	3	5	4	2-5/8	31/32	1-17/32	5/16	3-3/8	3/8	13/64	13/32
L	1	1	3	5-1/2	3-1/2	1-1/2	-	3/8	4-3/4	7/16	9/32	1/2
L	2	2	5-11/16	5-1/2	3-1/2	1-1/2	2-11/16	3/8	4-3/4	7/16	9/32	1/2
L	3	3	8-3/8	5-1/2	3-1/2	1-1/2	2-11/16	3/8	4-3/4	7/16	9/32	1/2

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In Canada: 615 B Orwell Street, Mississauga, Ontario, Canada L5A 2W4 | PH: 905.274.2341 | FAX: 905.279.2682

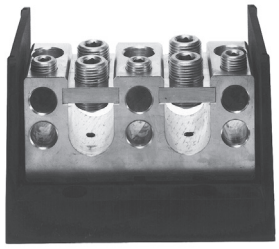
Power Distribution Blocks
Lay-In Type - Dual Rated

RoHS Compliant

TYPE
PDB

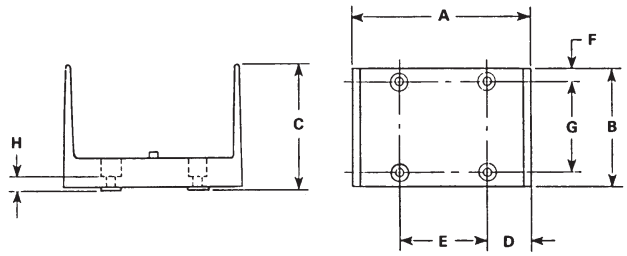
Features
- Lay-In primary cable ports
- Valox insulating base
- Clear cover
- UL 1059 Recognized and CSA Certified for 600 volts
- Electro-tin plated
- Manufactured from high strength aluminum

Benefits
- Designed for feed through of two primary conductors and up to six taps with no need to break the main feeder cable
- Provides a high degree of impact resistance with superior insulating qualities
- Permits visual inspection
- Ensures reliability
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors



Catalog Number	Connector		Primary		Secondary		Ampere Rating Per Pole	No. of Poles	Hex Size	
	Primary	Secondary	Wire Range	Openings Per Pole	Wire Range	Openings Per Pole			Primary	Secondary
DB-26-750-1			750kcmil-250kcmil	2	250kcmil-6	6	950	1	3/8	1/4

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 1059, UL File E84782



Block Size	No. of Poles	Dimensions							
		A	B	C	D	E	F	G	H
W	1	6-7/32	4	4-3/8	1-19/32	3	3/8	3-1/4	7/16

* Valox® is a registered trade name of the General Electric Company.

Power Distribution Block
Copper Only

RoHS Compliant

TYPE
PDB

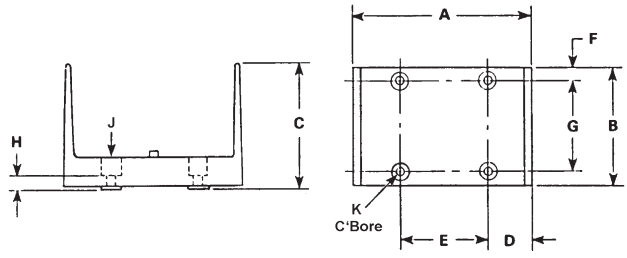
Features
- Manufactured from high strength aluminum
- Valox* insulating base
- UL 1059 Recognized 90˚ C 600 volts
- Electro-tin plated
- Clear cover

Benefits
- Reliable use for copper conductor only
- Provides a high degree of impact resistance with superior insulating qualities
- Ensures reliability
- Provides low contact resistance
- Provides visual inspection

F

Catalog Number	Connector		Primary		Secondary		Ampere Rating Per Pole	No. of Poles	Block Size	Hex Size	
	Primary	Secondary	Wire Range	Openings Per Pole	Wire Range	Openings Per Pole				Primary	Secondary
‡ PDB-55-600-1			600kcmil-250kcmil	5	600kcmil-250kcmil	5	1900	1	W	3/8	3/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Valox® is a registered trade name of the General Electric Company.
A versatile tap hole, wire range 8-14 AWG included on the connector.
Tested to UL 1059, UL File E84782
‡ Not CSA Certified



Block Size	No. of Poles	Dimensions									
		A	B	C	D	E	F	G	H	J	K
W	1	6-7/32	4	4-3/8	1-19/32	3	3/8	3-1/4	7/16	9/32	9/16

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Power Distribution Blocks
Dual Rated

RoHS Compliant

LR-29601

TYPE
PDB

Features
- Multiple taps
- Valox* insulating base
- Clear cover
- UL 1059 Recognized 90˚ C 600 Volts and is CSA Certified
- Electro-tin plated
- Manufactured from high strength aluminum

Benefits
- Three different connector configurations provide a wide range of tapping capabilities for up to four primary conductors
- Provides a high degree of impact resistance with superior insulating qualities
- Permits visual inspection
- Ensures reliability
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors

Fig. 1

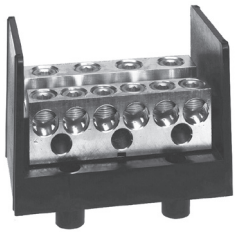


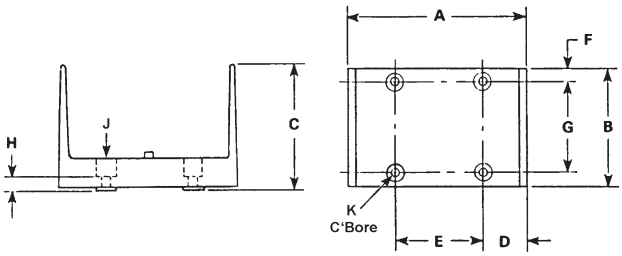
Fig. 2

Fig. 3

Fig. 4

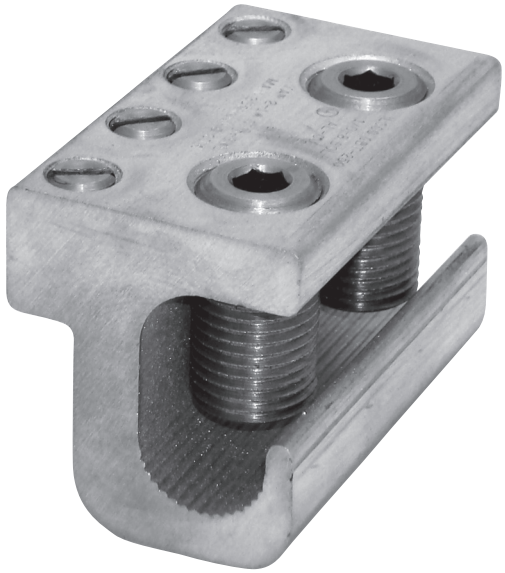
Catalog Number	Fig. No.	Connector		Primary		Secondary		Ampere Rating Per Pole	No. of Poles	Block Size	Hex Size	
		Primary	Secondary	Wire Range	Openings Per Pole	Wire Range	Openings Per Pole				Primary	Secondary
PDB-428-500-1	1			500kcmil-4	4	4-14	28	1520	1	W	3/8	Slot
PDB-49-500-1	2			500kcmil-4	4	350kcmil-6 4/0-6	6	1520	1	W	3/8	3/8
‡°PDB-55-500-1	4			500kcmil-3/0	5	500kcmil-3/0	5	1600	1	W	3/8	3/8
PDB-412-500-1	3			500kcmil-4	4	4/0-6	12	1520	1	W	3/8	5/16

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Valox® is a registered trade name of the General Electric Company.
° A versatile tap hole, wire range 8-14 AWG included on the connector.
‡ Not CSA Certified
Tested to UL 1059, UL File E84782



Block Size	No. of Poles	Dimensions									
		A	B	C	D	E	F	G	H	J	K
W	1	6-7/32	4	4-3/8	1-19/32	3	3/8	3-1/8	7/16	9/32	9/16

F



ClearGround®
Intersystem Ground Tap
Type GBT

GGA

274 – 275

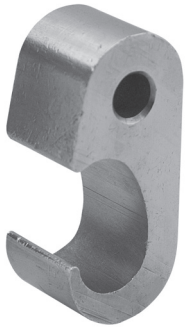
GGB

276 – 278

ULT

281 – 282

GGC



279 – 280

ELT

283 – 284

CGP

285

CST, CDT

286

TWCT

287 – 288

CGRC

289

BGRC

290

SRC

291

GRC

292

RLT

293 – 295

DCGC

296

BGC

297 – 298

BGDB

299

BGCS

300

SPS

301 – 302

SPD

303 – 304

TTGC

305

GPL3

306

GPL

307 – 308

GS/GSR

309

D167

310

CAN

311

N-174

311

AGC

312

SGC

312

SGB

313

GBL

314

CGBL

315

GBT

316

GRM

317

GRF

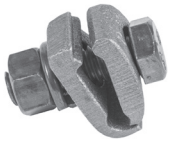
317

GH, GHS

318

GJ, GJS

319

GM, GMS, GWL

320

GO

321

GR

322

GT

323

GSE, HGSE

324

GU

325 – 326

GTGC

327

LS, LSN

328

NB

329

NBAS

330

NBAE

331

NBCE

332

NBST

333

BBFC

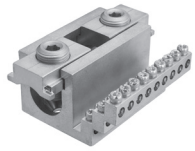
334 – 337

BBTA

338 – 339

BBTC

340 – 341

SCNL

342

SCNM

343

SBW

344

SBC

345

SBJ

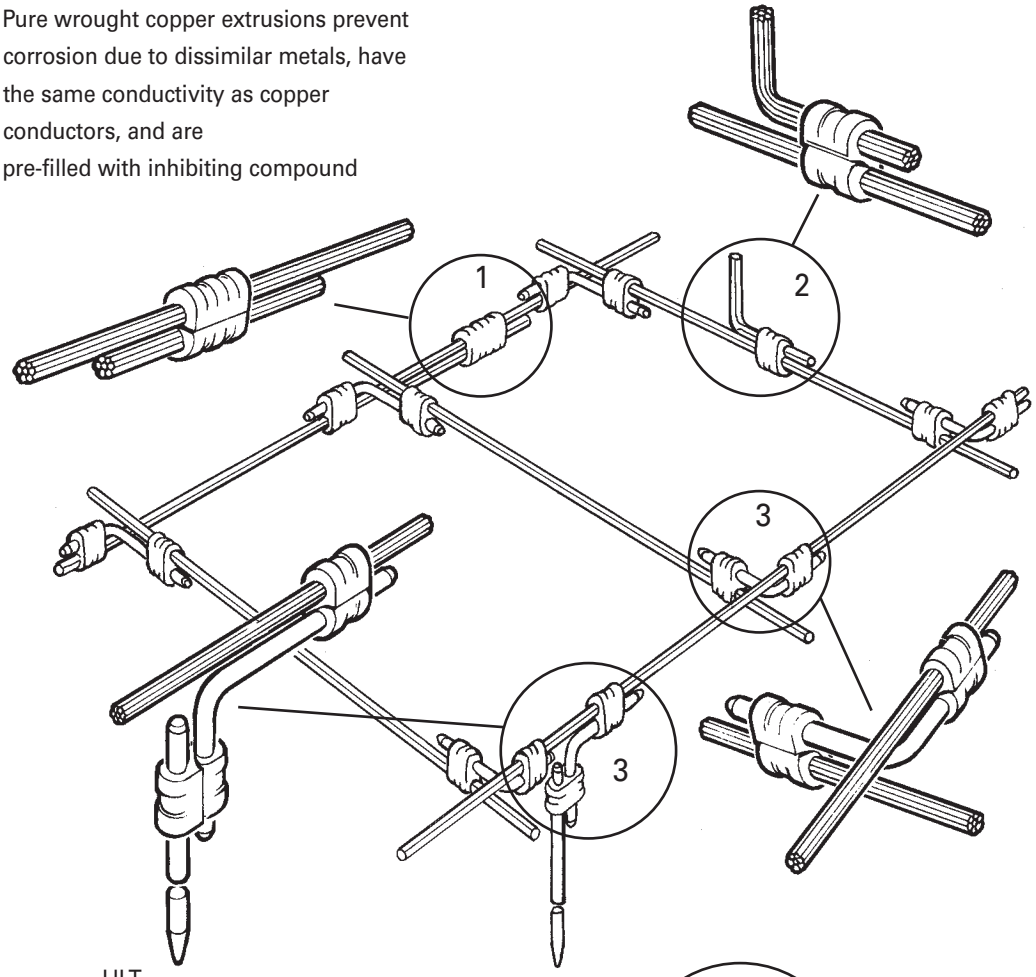
346

SGS

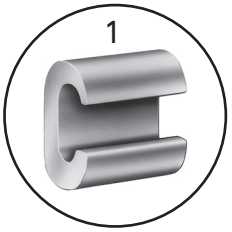
347

Grounding Grid System

- Pure wrought copper extrusions prevent corrosion due to dissimilar metals, have the same conductivity as copper conductors, and are pre-filled with inhibiting compound

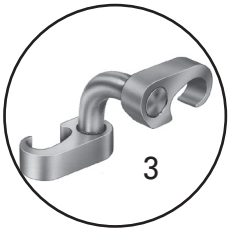


1 ULT
Compression Line Tap/C-Crimp
Applications: Tap Connector, Lap Splice Connector
Conductor Range: #6 solid – 4/0



2 GGC
Compression Ground Tap Connector
Applications: Tap Connector, Lap Splice Connector
Conductor Range: #6 solid – 500kcmil
Copper Ground Rods: 1/2", 5/8", 3/4"

3 GGA
Compression Ground Grid Cross Connector
Compression elements can be rotated or adjusted prior to installation
Applications: Cross Connector, Ground Rod Connector
Conductor Range: #6 solid – 500kcmil
Copper Ground Rods: 1/2", 5/8", 3/4"



Compression Grounding
Figure 6 - 6 Grounding Grid

RoHS Compliant

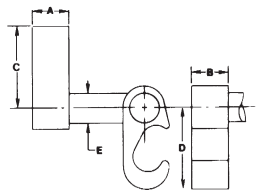
UL LISTED 667P

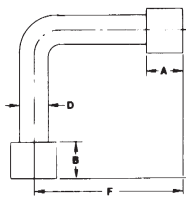
SA LR-5465

TYPE
GGA

Features
- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Range taking
- Connector can be adjusted prior to installation
- Non-hazardous installation
- Prefilled with DE-OX® oxide inhibiting compound
- Temperature Rating 90˚ C
- UL Listed and CSA Certified for grounding and bonding

Benefits
- Provides maximum conductivity. Suitable for direct burial.
- Provides easy identification and tooling recommendation
- Reduces inventory. Six sizes cover a wire range from 500kcmil to #6, and 1/2" to 3/4" ground rods.
- Permits adjustments to be made for misaligned cross grids
- Can be installed in all types of weather with no need for protective equipment or clothing. Does not produce heat or dangerous particles.
- Prevents oxides from forming
- Ensures reliability
- Direct burial in earth or concrete





Catalog Number	Wire Range					Dimensions - in. (mm)					
	Cable to Cable		Cable to Ground Rod		Rebar						
	Side A	Side B	Side A	SideB	Side B	A	B	C	D	E	F
GGA-1	2str-6sol	2str-6sol	-	-	-	.750 (19.1)	.750 (19.1)	1.090 (27.7)	1.090 (27.7)	.313 (8.0)	2.500 (63.5)
GGA-2	250kcmil-1str	2str-6sol	1/2 - 5/8 Rod	2str-6sol	#3-4	.750 (19.1)	.750 (19.1)	1.660 (42.2)	1.090 (27.7)	.313 (8.0)	2.500 (63.5)
GGA-3	250kcmil-2str	250kcmil-2str	1/2 - 5/8 Rod	250kcmil-2str	#3-4	.750 (19.1)	.750 (19.1)	1.660 (42.2)	1.660 (42.2)	.500 (12.7)	2.500 (63.5)
GGA-4	500kcmil-250kcmil	2str-6sol	5/8 - 3/4 Rod	2str-6sol	#5-6	.750 (19.1)	.750 (19.1)	2.090 (53.1)	1.090 (27.7)	.313 (8.0)	2.500 (63.5)
GGA-5	500kcmil-250kcmil	250kcmil-2str	5/8 - 3/4 Rod	250kcmil-2str	#5-6	.750 (19.1)	.750 (19.1)	2.090 (53.1)	1.660 (42.2)	.500 (12.7)	2.500 (63.5)
GGA-6	500kcmil-250kcmil	500kcmil-250kcmil	5/8 - 3/4 Rod	500kcmil-250kcmil	#5-6	.750 (19.1)	.750 (19.1)	2.280 (57.9)	2.280 (57.9)	.750 (19.1)	2.500 (63.5)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 467, UL File E34440

The GGA Series compression ground grid cross connector can be used to connect a copper ground grid system together or to connect a copper ground grid system to a copper clad ground rod. The GGA Series of compression connectors allow adjustment of each side of the connector prior to installation. The GGA Series of compression connectors are pre-filled with oxide inhibiting compound and are suitable for direct burial.

Notes:
1. ILSCO ILC-12 or ILC-15 Series Tools and ILD Series Dies may be used.
   Note: Adapter required when using ILC-15 Series Tool. Burndy tools and dies may also be used.
2. Perform a "pre-crimp" on ground rod prior to installing GGA connector.
   Use an indent type of die such as ILD-Precrimp.
3. Each side of the GGA Series may be rotated around the rod to any desired position before crimping.

Catalog Number	Ilsco Installation Tooling ILC-12-N, ILC-12H-N, ILCB-12-N, ILC-15-H TB-12U1000-P, TM-12U1000, TR-12U1000 Die Index (No. of Crimps)	
	Side A	Side B
GGA-1	O (1)	O (1)
GGA-2	997 (1)	O (1)
GGA-3	997 (1)	997 (1)
GGA-4	998 (1)	O (1)
GGA-5	998 (1)	997 (1)
GGA-6	999 (1), 1011 (3)	999 (1), 1011 (3)

G

INFORMATION SHEET GGA SERIES

Grounding and Bonding Equipment
Compression Connectors for Copper Conductors
Suitable for Direct Burial in Earth or Concrete

Catalog Number	Cable to Cable		Cu Ground Rod to Cable **OR** Rebar to Cable			Installation Tools: ILSCO Die Index (# Crimps)				UTILCO	Ridgid	Greenlee	Thomas & Betts	Burndy	
	Side A (Cu Wire)	Side B (Cu Wire)	Side A (Ground Rod or Rebar)		Side B (Cu Wire)	Side A	Side B	Side A	Side B	Side A	Side A	Side A	Side B	Side A	Side B
						ILC-12-N, ILC-12H-N, ILCB-12 Series, ILC-750, ILC-14 Series, ILC-15 Series, TM-12U1000, TR-12U1000, TB-12U1000 Series		ILC-12, ILC-12H		UM-U42, UR-U42, BLL-U42 Series	RE 12-M	EK1240, HK1240, RK1240, RK1550	13100A, TBM14 Series, TBM15 Series, BPLT14 Series, BPLT15 Series	Y45 Series, Y46 Series, PAT46 Series, Y750 Series, PAT750 Series	Y35 Series, Y39 Series
GGA-1	6 Sol - 2 Str	6 Sol - 2 Str	-	-	-	O (1)	O (1)	O (1)	O (1)	O (1)			O (1)	O (1)	O (1)
GGA-2	1 Str - 250 kcmil	6 Sol - 2 Str	1/2" - 5/8" Rod	#3 - 4 Rebar	6 Sol - 2 Str	997 (1)	O (1)	997 (1)	O (1)	997 (1)			O (1)	997 (1)	O (1)
GGA-3	2 Str - 250 kcmil	2 Str - 250 kcmil	1/2" - 5/8" Rod	#3 - 4 Rebar	2 Str - 250 kcmil	997 (1)	997 (1)	997 (1)	997 (1)	997 (1)			997 (1)	997 (1)	997 (1)
GGA-4	250 kcmil - 500 kcmil	6 Sol - 2 Str	5/8" - 3/4" Rod	#5 - 6 Rebar	6 Sol - 2 Str	998 (1)	O (1)	N/A	O (1)	998 (1)			O (1)	N/A	O (1)
GGA-5	250 kcmil - 500 kcmil	2 Str - 250 kcmil	5/8" - 3/4" Rod	#5 - 6 Rebar	2 Str - 250 kcmil	998 (1)	997 (1)	N/A	997 (1)	998 (1)			997 (1)	N/A	997 (1)
GGA-6	250 kcmil - 500 kcmil	250 kcmil - 500 kcmil	5/8" - 3/4" Rod	#5 - 6 Rebar	250 kcmil - 500 kcmil	1011 (3)	1011 (3)	N/A	N/A	1011 (3)			1011 (3)	N/A	N/A

GGA Series compression ground grid cross connector can be used to connect a copper ground grid system together or to connect a copper ground grid system to a copper clad ground rod.
They allow adjustment of each side of the connector prior to installation.
They are pre-filled with inhibiting compound and are suitable for direct burial.

Notes:

1. Either ILSCO or Burndy Type U and P Dies can be used to install this product.
2. ILSCO and Burndy Type U-dies are designed to be used in crimping tools that apply at least 12-tons of pressure. Crimping ILSCO connectors with U-type dies in tools with less than 12-tons of pressure results in connections that do not meet ILSCO's design requirements for the system. Tools with less than 12-tons of pressure should not be used with U-type dies.
3. Adapter is required when using ILSCO ILC-15, Greenlee RK1550, Thomas & Betts TBM15, BPLT15, Burndy Y45, Y46 or PAT46 crimp tools.
4. When used with ground rod/rebar, it is recommended to rough up the end of ground rod/rebar where GGA is to be placed. This provides good rotational resistance. Perform a "pre-crimp" on ground rod/rebar prior to installing GGA connector. Use an indent type of die such as ILSCO's ILD-PRECRIMP, Burndy's U2CABT (Die Index #348) or UPRECRIMP-12, -58, -34*.
5. Each side of the GGA Series may be rotated around the ground rod/rebar to any desired position before crimping.

* "U2CABT" and "UPRECRIMP" are registered trademarks TM of Burndy/FCI.

Compression Grounding
Figure 6 - 8 Grounding Grid

RoHS Compliant

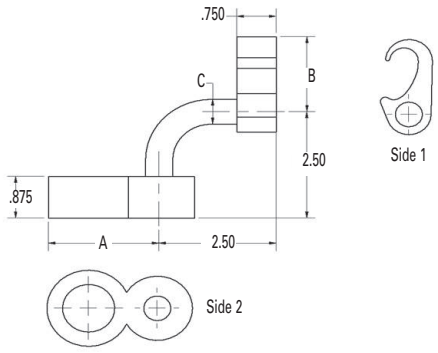
UL LISTED 667P

SA LR-5465

TYPE
GGB

Features
- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Each size accepts a wide range of cable sizes
- Side 1 & Side 2 can be rotated to any position before crimping
- UL Listed and CSA Certified for grounding and bonding
- Prefilled with DE-OX® oxide inhibiting compound
- TN in catalog number designates tin plated

Benefits
- Provides maximum conductivity
- Provides easy identification and tooling recommendation
- Application flexibility and reduced inventory
- Ease of installation
- Direct burial in earth or concrete
- Prevents oxides from forming
- For use with galvanized steel ground rod



Catalog Number	Commercial Copper Cable Range Side 1	Metric Copper Cable Range Side 1	Copper Weld Cable Range Side 1	Ground Rod Dia. Side 2	Rebar Side 2	Dimensions - in. (mm)		
						A	B	C
GGB-1	250kcmil (.575 dia.) thru 2str (.292 dia.)	120mm^2 (14.40mm dia.) thru 35mm^2 (7.62mm dia.)	248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.)	1/2″	#3	1.390 (35.3)	1.660 (42.2)	0.312 (7.9)
GGB-2	250kcmil (.575 dia.) thru 2str (.292 dia.)	120mm2 (14.40mm dia.) thru 35mm2 (7.62mm dia.)	248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.)	5/8″	#4	1.455 (37.0)	1.660 (42.2)	0.312 (7.9)
GGB-3	250kcmil (.575 dia.) thru 2str (.292 dia.)	120mm2 (14.40mm dia.) thru 35mm2 (7.62mm dia.)	248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.)	3/4″	#5	1.644 (41.8)	1.660 (42.2)	0.500 (12.7)
GGB-4	250kcmil (.575 dia.) thru 2str (.292 dia.)	120mm2 (14.40mm dia.) thru 35mm2 (7.62mm dia.)	248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.)	1″	#6-7	2.025 (51.4)	1.677 (42.6)	0.500 (12.7)
GGB-5	500kcmil (.813 dia.) thru 250kcmil (.575 dia.)	240mm2 (20.35mm dia.) thru 120mm2 (14.40mm dia.)	498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.)	1/2″	#3	1.390 (35.3)	2.075 (52.7)	0.312 (7.9)
GGB-6	500kcmil (.813 dia.) thru 250kcmil (.575 dia.)	240mm2 (20.35mm dia.) thru 120mm2 (14.40mm dia.)	498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.)	5/8″	#4	1.455 (37.0)	2.075 (52.7)	0.312 (7.9)
GGB-7	500kcmil (.813 dia.) thru 250kcmil (.575 dia.)	240mm2 (20.35mm dia.) thru 120mm2 (14.40mm dia.)	498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.)	3/4″	#5	1.644 (41.8)	2.075 (52.7)	0.500 (12.7)
GGB-8	500kcmil (.813 dia.) thru 250kcmil (.575 dia.)	240mm2 (20.35mm dia.) thru 120mm2 (14.40mm dia.)	498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.)	1″	#6-7	2.025 (51.4)	2.075 (52.7)	0.500 (12.7)
GGB-3TN	250kcmil (.575 dia.) thru 2str (.292 dia.)	120mm2 (14.40mm dia.) thru 35mm2 (7.62mm dia.)	248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.)	3/4″	N/A	1.644 (41.8)	1.660 (42.2)	0.500 (12.7)
GGB-6TN	500kcmil (.813 dia.) thru 250kcmil (.575 dia.)	240mm2 (20.35mm dia.) thru 120mm2 (14.40mm dia.)	498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.)	5/8″	N/A	1.455 (37.0)	2.075 (52.7)	0.312 (7.9)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL467, UL File E34440

Notes:
1. When used with ground rods, it is recommended to rough up the end of ground rod where GGB is to be placed. This provides good rotational resistance. **Perform a "pre-crimp" on ground rod prior to installing GGB connector. Use an indent type of die such as ILD-Precrimp.**

G

Compression Grounding
Figure 6 - 8 Grounding Grid Tooling

RoHS Compliant

UL LISTED 667P

CSA LR-5465

TYPE
GGB

Features
- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Each size accepts a wide range of cable sizes
- Side 1 & Side 2 can be rotated to any position before crimping
- UL Listed and CSA Certified for grounding and bonding
- Prefilled with DE-OX® oxide inhibiting compound
- TN in catalog number designates tin plated

Benefits
- Provides maximum conductivity
- Provides easy identification and tooling recommendation
- Application flexibility and reduced inventory
- Ease of installation
- Direct burial in earth or concrete
- Prevents oxides from forming
- For use with galvanized steel ground rod

Catalog Number	INSTALLATION TOOLING					
	Ilsco		Burndy		Thomas & Betts (w/Burndy Dies)	
	ILC-12-N, ILC-12H-N, ILCB-12-N, & ILC-15 Series‡ TB-12U1000-P, TM-12U1000, TR-12U1000 Die (No. of Crimps)		Y35, Y39, Y46, Y750, PAT750 & PAT46 Series Die (No. of Crimps)		TBM14, TBM15, BPLT14 & BPLT15 Series, 1300A Die (No. of Crimps)	
	Side 1	Side 2	Side 1	Side 2	Side 1	Side 2
GGB-1	997 (1)	998 (1)	997 (1)	998 (1)	997 (1)	998 (1)
GGB-2	997 (1)	998 (1)	997 (1)	998 (1)	997 (1)	998 (1)
GGB-3	997 (1)	998 (1)	997 (1)	998 (1)	997 (1)	998 (1)
GGB-4	997 (1)	998 (1)	997 (1)	998 (1)	997 (1)	998 (1)
GGB-5	998 (1)	998 (1)	998 (1)	998 (1)	998 (1)	998 (1)
GGB-6	998 (1)	998 (1)	998 (1)	998 (1)	998 (1)	998 (1)
GGB-7	998 (1)	998 (1)	998 (1)	998 (1)	998 (1)	998 (1)
GGB-8	998 (1)	998 (1)	998 (1)	998 (1)	998 (1)	998 (1)
GGB-3TN	997 (1)	998 (1)	997 (1)	998 (1)	997 (1)	998 (1)
GGB-6TN	998 (1)	998 (1)	998 (1)	998 (1)	998 (1)	998 (1)

997 and 998 are Burndy die indexes

‡ Adaptor required when using ILC-15 Series tools

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PERMAGROUND RELIABLE ★ VERSATILE CONNECTOR • TOOL • CONDUCTOR SAFE

Suitable for Direct Burial in Earth or Concrete

Side A Side B

Catalog Number	Side A: Cu Ground Rod Size	Side A: Rebar Size	Side A: Galvanized Steel Ground Rod Size	Side B: Copper Wire Size	Installation Tools: ILSCO: ILC-12-N, ILC-12H-N, ILCB-12 Series, ILC-750, ILC-14 Series, ILC-15 Series, TM-12U1000, TR-12U1000, TB-12U1000 Series: Die Index (# Crimps) Side A	ILSCO: ILC-12-N, ILC-12H-N, ILCB-12 Series, ILC-750, ILC-14 Series, ILC-15 Series, TM-12U1000, TR-12U1000, TB-12U1000 Series: Die Index (# Crimps) Side B	ILSCO: ILC-12, ILC-12H: Die Index (# Crimps) Side A	ILSCO: ILC-12, ILC-12H: Die Index (# Crimps) Side B	UTILCO: UM-U42, UR-U42, BLL-U42 Series: Die Index (# Crimps) Side A	Ridgid: RE 12-M: Die Index (# Crimps) Side A	Greenlee: EK1240, HK1240, RK1240, RK1550: Die Index (# Crimps) Side A	Thomas & Betts: 13100A, TBM14 Series, TBM15 Series, BPLT14 Series, BPLT15 Series: Die Index (# Crimps) Side A	Burndy: Y45 Series, Y46 Series, PAT46 Series, Y750 Series, PAT750 Series: Die Index (# Crimps) Side A	Burndy: Y35 Series, Y39 Series: Die Index (# Crimps) Side A	Burndy: Y35 Series, Y39 Series: Die Index (# Crimps) Side B
GGB-1	1/2"	#3	-	2 - 250 kcmil	998 (1)	997 (1)	998 (1)	997 (1)	998 (1)		997 (1)		998 (1)	997 (1)	
GGB-2	5/8"	#4	-	2 - 250 kcmil	998 (1)	997 (1)	998 (1)	997 (1)	998 (1)		997 (1)		998 (1)	997 (1)	
GGB-3	3/4"	#5	-	2 - 250 kcmil	998 (1)	997 (1)	998 (1)	997 (1)	998 (1)		997 (1)		998 (1)	997 (1)	
GGB-3TN	-	-	3/4"	2 - 250 kcmil	998 (1)	997 (1)	998 (1)	997 (1)	998 (1)		997 (1)		998 (1)	997 (1)	
GGB-4	1"	#6 - 7	-	2 - 250 kcmil	998 (1)	997 (1)	N/A	997 (1)	998 (1)		997 (1)		N/A	997 (1)	
GGB-5	1/2"	#3	-	250 kcmil - 500 kcmil	998 (1)	998 (1)	998 (1)	N/A	998 (1)		998 (1)		998 (1)	N/A	
GGB-6	5/8"	#4	-	250 kcmil - 500 kcmil	998 (1)	998 (1)	998 (1)	N/A	998 (1)		998 (1)		998 (1)	N/A	
GGB-6TN	-	-	5/8"	250 kcmil - 500 kcmil	998 (1)	998 (1)	998 (1)	N/A	998 (1)		998 (1)		998 (1)	N/A	
GGB-7	3/4"	#5	-	250 kcmil - 500 kcmil	998 (1)	998 (1)	998 (1)	N/A	998 (1)		998 (1)		998 (1)	N/A	
GGB-8	1"	#6 - 7	-	250 kcmil - 500 kcmil	998 (1)	998 (1)	N/A	N/A	998 (1)		998 (1)		N/A	N/A	

GGB Series compression ground grid cross connector can be used to connect a copper ground grid system together or to connect a copper ground grid system to a copper clad ground rod.
They allow adjustment of each side of the connector prior to installation.
They are pre-filled with inhibiting compound and are suitable for direct burial.

Notes:
1. Either ILSCO or Burndy Type U and P Dies can be used to install this product.
2. ILSCO and Burndy Type U-dies are designed to be used in crimping tools that apply at least 12-tons of pressure. Crimping ILSCO connectors with U-type dies in tools with less than 12-tons of pressure results in connections that do not meet ILSCO's design requirements for the system. Tools with less than 12-tons of pressure should not be used with U-type dies.
3. Adapter is required when using ILSCO ILC-15, Greenlee RK1550, Thomas & Betts TBM15, BPLT15, Burndy Y45, Y46 or PAT46 crimp tools.
4. When used with ground rod/rebar, it is recommended to rough up the end of ground rod/rebar where GGB is to be placed. This provides good rotational resistance. Perform a "pre-crimp" on ground rod/rebar prior to installing GGB connector. Use an indent type of die such as ILSCO's ILD-PRECRIMP, Burndy's U2CABT (Die Index # 348) or UPRECRIMP-12, -58, -34.*
5. Each side of the GGB Series may be rotated around the ground rod/rebar to any desired position before crimping.
6. GGB -TN Series are specifically designed to be used to with Galvanized Steel Ground Rod.

* "U2CABT" and "UPRECRIMP" are registered trademarks TM of Burndy/FCI.

Compression Grounding
Figure 6 Grounding Grid

RoHS Compliant

UL LISTED 667P

SA LR-5465

TYPE
GGC

Features
- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Range taking
- Versatile
- Non-hazardous installation
- Prefilled with DE-OX® oxide inhibiting compound
- Temperature Rating 90˚ C
- UL Listed and CSA Certified for grounding and bonding

Benefits
- Provides maximum conductivity
- Provides easy identification and tooling recommendation
- Reduces inventory. Eight sizes cover a wire range from 500kcmil to #6, and 1/2" to 3/4" ground rods.
- Can be used as a tap connector or as a lap splice connector
- Can be installed in all types of weather with no need for protective equipment or clothing. Does not produce heat or dangerous particles.
- Prevents oxides from forming
- Ensures reliability
- For direct burial in earth or concrete

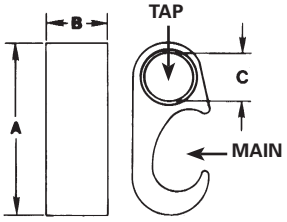

Fig. 1

Fig. 2

Catalog Number	Figure Number	Wire Range		Main Rebar	Main Ground Rod	Dimensions - in. (mm)			Die Index Number
		Main	Tap			A	B	C	
GGC-1	1	2str-6sol	2str-6sol	-	-	1.40 (35.6)	.75 (19.1)	.33 (8.4)	O
GGC-2	1	250kcmil-1/0str 1/2 - 5/8 Rod	2str-4sol	#3-4	1/2 - 5/8	2.10 (53.3)	.75 (19.1)	.33 (8.4)	997
GGC-3	1	250kcmil-1/0str 1/2 - 5/8 Rod	2/0str-1/0str	#3-4	1/2 - 5/8	2.10 (53.3)	.75 (19.1)	.44 (11.2)	997
GGC-4	1	250kcmil-1/0str 1/2 - 5/8 Rod	250kcmil-3/0str	#3-4	1/2 - 5/8	2.10 (53.3)	.75 (19.1)	.61 (15.5)	997
GGC-5	1	500kcmil-250kcmil 5/8 - 3/4 Rod	2str-4sol	#5-6	5/8 - 3/4	2.60 (66.0)	.75 (19.1)	.33 (8.4)	998
GGC-6	1	500kcmil-250kcmil 5/8 - 3/4 Rod	2/0str-1/0str	#5-6	5/8 - 3/4	2.60 (66.0)	.75 (19.1)	.44 (11.2)	998
GGC-7	1	500kcmil-250kcmil 5/8 - 3/4 Rod	250kcmil-3/0str	#5-6	5/8 - 3/4	2.60 (66.0)	.75 (19.1)	.61 (15.5)	998
GGC-8	1	500kcmil-250kcmil 5/8 - 3/4 Rod	500kcmil-350kcmil	#5-6	5/8 - 3/4	2.90 (73.7)	.75 (19.1)	.84 (21.3)	999/1011
GGC-9	2	250kcmil-1/0str 1/2 - 5/8 Rod	6str-6sol	#3-4	1/2 - 5/8	2.60 (66.0)	.75 (19.1)	-	997

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 467, UL File E34440

NOTE: Hydraulic tools required on all sizes except GGC-1 Dieless tools can not be used

The GGC Series compression ground tap connector can be used as a tap connector to connect copper ground wire to a copper clad ground rod or as a lap splice connector splicing copper conductors together. The GGC Series of compression connectors are pre-filled with inhibiting compound and are suitable for direct burial.

Notes:
1. ILSCO ILC-12 or ILC-15 Series Tools and ILD Series Dies may be used. Note: Adapter required when using ILC-15 Series Tool. Burndy tools and dies may also be used.
2. Perform a "pre-crimp" on ground rod prior to installing GGC connector. Use an indent type of die such as ILD-Precrimp.
3. When using #6 AWG solid wire in the tap side, fold conductor double prior to crimping.
4. When using GGC-4, if 3/0 conductor is used in the tap side, use a minimum of 2/0 conductor in the run side.

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			Installation Tools							
			ILSCO		UTILCO	Ridgid	Greenlee	Thomas & Betts	Burndy	
			ILC-12-N, ILC-12H-N, ILCB-12-N Series, ILC-750, ILC-14 Series, ILC-15 Series, TM-12U1000, TR-12U1000, TB-12U1000 Series	ILC-12, ILC-12H	UM-U42, UR-U42, BLL-U42 Series	RE 12-M	EK1240, HK1240, RK1240, RK1550	13100A, TBM14 Series, TBM15 Series, BPLT14 Series, BPLT15 Series	Y45 Series, Y46 Series, PAT46 Series, Y750 Series, PAT750 Series	Y35 Series, Y39 Series
Catalog Number	Run [Cu Wire, Cu Ground Rod, or Rebar] (Open Hook End)	Tap [Cu Wire] (Closed Hole End)	Die Index (# Crimps)	Die Index (# Crimps)	Die Index (# Crimps)					Die Index (# Crimps)
GGC-1	6 Sol - 2 Str	6 Sol - 2 Str	O (1)	O (1)	O (1)					O (1)
GGC-2	1/0 - 250 kcmil, 1/2" - 5/8" Rod, #3 - 4 Rebar	4 Sol - 2 Str	997 (1)	997 (1)	997 (1)					997 (1)
GGC-3	1/0 - 250 kcmil, 1/2" - 5/8" Rod, #3 - 4 Rebar	1/0 - 2/0 Str	997 (1)	997 (1)	997 (1)					997 (1)
GGC-4 (See Note 6)	1/0 - 250 kcmil, 1/2" - 5/8" Rod, #3 - 4 Rebar	3/0 - 250 kcmil	997 (1)	997 (1)	997 (1)					997 (1)
GGC-5	250 kcmil - 500 kcmil, 5/8" - 3/4" Rod, #5 - 6 Rebar	4 Sol - 2 Str	998 (1)	N/A	998 (1)					N/A
GGC-6	250 kcmil - 500 kcmil, 5/8" - 3/4" Rod, #5 - 6 Rebar	1/0 - 2/0 Str	998 (1)	N/A	998 (1)					N/A
GGC-7	250 kcmil - 500 kcmil, 5/8" - 3/4" Rod, #5 - 6 Rebar	3/0 - 250 kcmil	998 (1)	N/A	998 (1)					N/A
GGC-8	250 kcmil - 500 kcmil, 5/8" - 3/4" Rod, #5 - 6 Rebar	350 kcmil - 500 kcmil	1011 (3)	N/A	1011 (3)					N/A
GGC-9	1/0 - 250 kcmil, 1/2" - 5/8" Rod, #3 - 4 Rebar	6 Sol - 6 Str	997 (1)	997 (1)	997 (1)					997 (1)

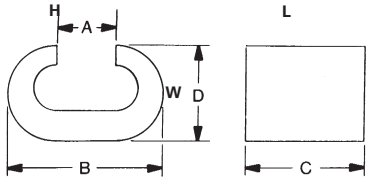
Compression Grounding
Copper C Crimps

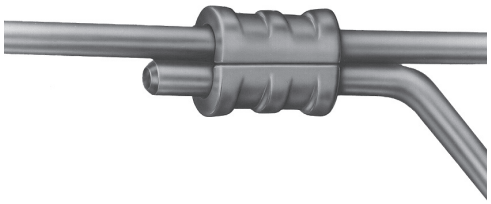
RoHS Compliant | UL LISTED 453G | SA LR-29601

TYPE
ULT

Features
- Manufactured from high conductivity copper alloy
- Clearly marked with wire size and die index
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Rated to 90˚ C
- UL Listed and CSA Certified for grounding, bonding and power

Benefits
- Provides maximum conductivity and eliminates the possibility of corrosion
- Provides easy identification and tooling recommendation
- Reduces inventory
- Application versatility
- Direct Burial in earth or concrete





Catalog Number	Copper Wire Range		Die Index	Dimensions - in. (mm)		
	Main	Tap		L	W	H
ULT-1-Z	10str-12sol	10str-12sol	238	.366 (9.3)	.279 (7.1)	.320 (8.1)
ULT-2-Z	8str-8sol	8str-10sol	162	.486 (12.3)	.353 (9.0)	.500 (12.7)
ULT-3-Z	4str-6sol	8str-8sol	BG or 5/8	.735 (18.7)	.470 (11.9)	.615 (15.6)
ULT-4-Z	4str-6sol	6str-6sol	BG or 5/8	.765 (19.4)	.460 (11.7)	.700 (17.8)
ULT-5-Z	4str-6sol	4str-4sol	BG or 5/8	.830 (21.1)	.470 (11.9)	.700 (17.8)
ULT-6-Z	2str-2sol	4str-8sol	C	.990 (25.1)	.614 (15.6)	.830 (21.1)
ULT-7-Z	2str-2sol	2str-2sol	C	1.047 (26.6)	.614 (15.6)	.826 (21.0)
ULT-8-Z	2/0str-1/0sol	2str-8sol	O	1.350 (34.3)	.812 (20.6)	.925 (23.5)
ULT-9-Z	2/0str-1/0sol	2/0str-1/0sol	O	1.350 (34.3)	.812 (20.6)	.925 (23.5)
ULT-10-Z	4/0str-3/0sol	2str-6sol	D3	1.628 (41.4)	1.000 (25.4)	1.075 (27.3)
ULT-11-Z	4/0str-3/0sol	2/0str-1/0sol	D3	1.628 (41.4)	1.000 (25.4)	1.075 (27.3)
ULT-12-Z	4/0str-3/0str	4/0str-3/0str	D3	1.610 (40.9)	1.000 (25.4)	1.200 (30.5)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207
Tested to UL 467, UL File E34440

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INFORMATION SHEET ULT SERIES - COPPER C CRIMPS

Wire Connector, Grounding and Bonding Equipment
for Copper Conductors
Suitable for Direct Burial in Earth or Concrete

ILSCO connections matter

UL LISTED 453G

SA LR-29601

UTILCO connections matter

282

ILSCO	UTILCO	Rigid	Greenlee	Thomas & Betts	Burndy
ILC-12, ILC-12H ILC-12-N, ILC-12H-N, ILCB-12 Series, ILC-750 ILC-14 Series, ILC-15 Series, TM-12U1000, TR-12U1000, TB-12U1000 Series	UM-U42, UR-U42, BLL-U42 Series	RE 12 M	EK1240, HK1240, RK1240, RK1550	13100A, TBM14 Series, TBM15 Series, BPLT14 Series, BPLT15 Series	Y35 Series, Y39 Series, Y45 Series, Y46 Series, PAT46 Series, Y750 Series, PAT750 Series

Catalog Number	Copper Wire Range		Die Index (# Crimps)
	Main	Tap	
ULT-1	10 Str - 12 Sol	10 Str - 12 Sol	238 (1)
ULT-2	8 Str - 8 Sol	8 Str - 10 Sol	162 (1)
ULT-3	4 Str - 6 Sol	8 Str - 8 Sol	BG or 5/8 (1)
ULT-4	4 Str - 6 Sol	6 Str - 6 Sol	BG or 5/8 (1)
ULT-5	4 Str - 6 Sol	4 Str - 4 Sol	BG or 5/8 (1)
ULT-6	2 Str - 2 Sol	4 Str - 8 Sol	C (1)
ULT-7	2 Str - 2 Sol	2 Str - 2 Sol	C (1)
ULT-8	2/0 Str - 1/0 Sol	2 Str - 8 Sol	O (1)
ULT-9	2/0 Str - 1/0 Sol	2/0 Str - 1/0 Sol	O (1)
ULT-10	4/0 Str - 3/0 Sol	2 Str - 6 Sol	D3 (1)
ULT-11	4/0 Str - 3/0 Sol	2/0 Str - 1/0 Sol	D3 (1)
ULT-12	4/0 Str - 3/0 Str	4/0 Str - 3/0 Str	D3 (1)

Notes:

1. Either ILSCO or Burndy Type U Dies can be used to install this product.
2. ILSCO and Burndy Type U-dies are designed to be used in crimping tools that apply at least 12-tons of pressure. Crimping ILSCO connectors with U-type dies in tools with less than 12-tons of pressure results in connections that do not meet ILSCO's design requirements for the system. Tools with less than 12-tons of pressure should not be used with U-type dies.
3. Adapter is required when using ILSCO ILC-15, Greenlee RK1550, Thomas & Betts TBM15, BPLT15, Burndy Y45, Y46 or PAT46 crimp tools.

Compression Grounding
Copper E Crimps

RoHS Compliant | UL LISTED 667P | SA AP-5465

TYPE
ELT

Features
- Manufactured from copper alloy
- Clearly marked with wire size and die index
- Range taking
- UL Listed and CSA Certified for grounding and bonding
- May be used in ground grid applications

Benefits
- Provides maximum conductivity
- Provides easy identification and tooling recommendation
- Reduces inventory
- For direct burial in earth or concrete
- Flexibility in application

Catalog Number	Copper Wire Range		Width - in. (mm)	Die Index	Rebar		Main Ground Rod
	Main	Tap			Main	Tap	
ELT-1	2str-6sol	2str-6sol	.750 (19.1)	C (U Type)	-	-	-
ELT-4	2/0str-1str	2str-6str	.750 (19.1)	0 (U Type)	#3	-	-
ELT-2	2/0str-1str	2/0str-1str	.750 (19.1)	0 (U Type)	#3	#3	-
ELT-5	250kcmil-3/0str	2/0str-6sol	.750 (19.1)	997 (U Type)	#4	#3	1/2"
ELT-3	250kcmil-3/0str	250kcmil-3/0str	.900 (22.9)	997 (U Type)	#4	#4	1/2"
ELT-6	500kcmil-300kcmil	250kcmil-3/0str	.875 (22.2)	1011 (U Type)	#6	#3-#4	3/4"
ELT-7	2/0str-6sol	2/0str-6sol	.875 (22.2)	1011 (U Type)	#5	#3-#4	5/8"
ELT-8	500kcmil-300kcmil	500kcmil-300kcmil	.875 (22.2)	1011 (U Type)	#5-#6	#5-#6	5/8"

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 467, UL File E34440

See information sheet for complete information on tooling.

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			Installation Tools								
			ILSCO		UTILCO	Ridgid	Greenlee	Thomas & Betts	Burndy	
			ILC-12-N, ILC-12H-N, ILCB-12 Series, ILC-750, ILC-14 Series, ILC-15 Series, TM-12U1000, TR-12U1000, TB-12U1000 Series	ILC-12, ILC-12H	UM-U42, UR-U42, BLL-U42 Series	RE 12-M	EK1240, HK1240, RK1240, RK1550	13100A, TBM14 Series, TBM15 Series, BPLT14 Series, BPLT15 Series	Y45 Series, Y46 Series, PAT46 Series, Y750 Series, PAT750 Series	Y35 Series, Y39 Series
Catalog Number	Main (Cu Wire, Rebar or Cu Ground Rod size)	Tap (Cu Wire or Rebar size)	Die Index (# Crimps)	Die Index (# Crimps)	Die Index (# Crimps)					Die Index (# Crimps)
ELT-1	2 Str - 6 Sol	2 Str - 6 Sol	C (1)	C (1)	C (1)					C (1)
ELT-2	2/0 Str - 1 Str, #3 Rebar	2/0 Str - 1 Str, #3 Rebar	O (1)	O (1)	O (1)					O (1)
ELT-3	250 kcmil - 3/0 Str, #4 Rebar, 1/2" Ground Rod	250 kcmil - 3/0 Str, #4 Rebar	997 (1)	997 (1)	997 (1)					997 (1)
ELT-4	2/0 Str - 1 Str, #3 Rebar	2 Str - 6 Sol	O (1)	O (1)	O (1)					O (1)
ELT-5	250 kcmil - 3/0 Str, #4 Rebar, 1/2" Ground Rod	2/0 Str - 6 Sol, #3 Rebar	997 (1)	997 (1)	997 (1)					997 (1)
ELT-6	500 kcmil - 300 kcmil, #6 Rebar, 3/4" Ground Rod	250 kcmil - 3/0 Str, #3 - #4 Rebar	1011 (2)	N/A	1011 (2)					N/A
ELT-7	500 kcmil - 300 kcmil, #5 Rebar, 5/8" Ground Rod	2/0 Str - 6 Sol, #3 - #4 Rebar	1011 (2)	N/A	1011 (2)					N/A
ELT-8	500 kcmil - 300 kcmil, #5 - #6 Rebar, 5/8" Ground Rod	500 kcmil - 300 kcmil, #5 - #6 Rebar	1011 (2)	N/A	1011 (2)					N/A

Notes:
1. Either ILSCO or Burndy Type U and P Dies can be used to install this product.
2. ILSCO and Burndy Type U-dies are designed to be used in crimping tools that apply at least 12-tons of pressure. Crimping ILSCO connectors with U-type dies in tools with less than less than 12-tons of pressure results in connections that do not meet ILSCO's design requirements for the system. Tools with less than 12-tons of pressure should not be used with U-type dies.
3. Adapter is required when using ILSCO ILC-15, Greenlee RK1550, Thomas & Betts TBM15, BPLT15, Burndy Y45, Y46 or PAT46 crimp tools.

Compression Grounding
Grounding Plate

LISTED 8M24

MEETS IEEE 837 REQUIREMENTS

TYPE
CGP

Features
- Cast copper alloy body
- Available in two and four hole NEMA spacing
- Underside tapped hole
- Pre-filled with De-Ox Oxide Inhibitor
- UL Listed for grounding and bonding

Benefits
- High strength, high conductivity
- Industry standard
- Ease of positioning
- Direct burial in earth or concrete

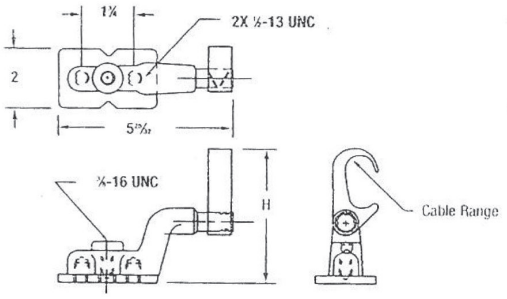


Fig. 1

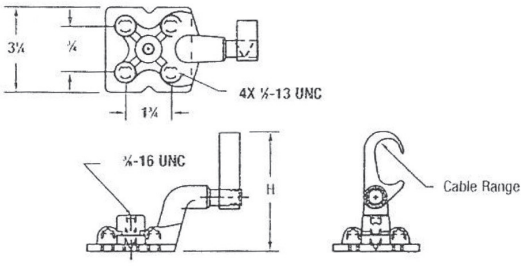
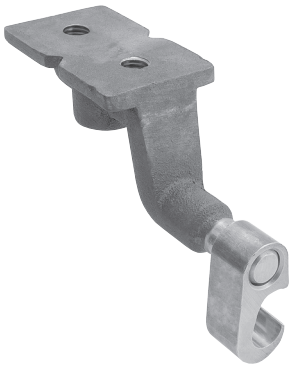


Fig. 2



Catalog Number	Figure Number	Cable Range	H - in (mm)	Dies
CGP2-2250	1	250kcmil-2	3-5/8 (92.1)	*15G86R
CGP4-2250	2	250kcmil-2	4-1/32 (102.4)	*15G86R
CGP2-250500	1	500kcmil-250kcmil	3-5/8 (92.1)	*15G126R
CGP4-250500	2	500kcmil-250kcmil	4-1/32 (102.4)	*15G126R

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*T&B Dies
UL File E158587

Tooling Information:

***T&B Dies can be used in the following Thomas & Betts tools:**

TBM14M
TBM14MC
TBM14BSCR
BPLT14BSCR
BPLT14BSCRI
13100A
TBM15I

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Compression Grounding
Copper H-Tap

c UL us LISTED 8M24

TYPE
CST
CDT

Features
- Made of high conductivity copper
- Metal barrier separates conductor
- Generous chamfer
- UL Listed for grounding and bonding
- UL 467 Listed
- UL 486A/B Listed

Benefits
- Provides maximum conductivity
- Eliminating strand cutting
- Protects cable
- Direct burial in earth or concrete
-
-

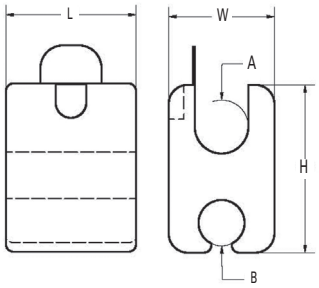
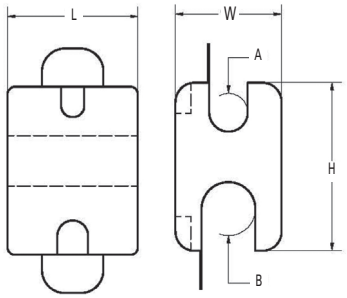


Fig. 1

Fig. 2



SINGLE TAB

Catalog Number	Figure Number	Side A Main	Wire Dia. Range in. (mm)	Side B Tap	Wire Dia. Range in. (mm)	Dimensions - in. (mm)		
						W	H	L
CST-301	1	6sol., 6str., 4sol.	.162-.204 (4.1 - 5.2)	8sol., 8str., 6sol., 6str., 4sol.	.128-.204 (3.3 - 5.2)	.469 (11.9)	.734 (18.6)	.812 (20.6)
CST-302	1	4sol., 4str., 2sol.	.204-.258 (5.2 - 6.6)	6sol., 6str., 4sol., 4str., 2sol.	.162-.258 (4.1 - 6.6)	.547 (13.9)	.823 (20.9)	.812 (20.6)

DOUBLE TAB

Catalog Number	Figure Number	Side A Main	Wire Dia. Range in. (mm)	Side B Tap	Wire Dia. Range in. (mm)	Dimensions - in. (mm)		
						W	H	L
CDT-399-8	2	6sol., 6str., 4sol.	.162-.204 (4.1 - 5.2)	8sol., 6str., 4sol.	.128-.204 (3.3 - 5.2)	.484 (12.3)	.750 (19.1)	.812 (20.6)
CDT-398-8	2	4sol., 4str., 2sol.	.204-.258 (5.2 - 6.6)	4sol., 4str., 2sol.	.204-.258 (5.2 - 6.6)	.547 (13.9)	.797 (20.2)	.812 (20.6)
CDT-304-8	2	2str., 1str., 1/0str.	.292-.375 (7.4 - 9.5)	6sol., 4sol., 4str., 2sol.	.162-.258 (4.1 - 6.6)	.641 (16.3)	1.120 (28.4)	.859 (21.8)
CDT-303-8	2	2str., 1str., 1/0str.	.292-.375 (7.4 - 9.5)	2str., 1str., 1/0str.	.292-.375 (7.4 - 9.5)	.719 (18.3)	1.120 (28.4)	.828 (21.0)
CDT-308-8	2	2/0str., 4/0str.	.419-.528 (10.6 - 13.4)	2str., 1str., 1/0str.	.292-.375 (7.4 - 9.5)	.906 (23.0)	1.406 (35.7)	1.062 (27.0)
CDT-307-8	2	2/0str., 4/0str.	.419-.528 (10.6 - 13.4)	2/0str., 4/0str.	.419-.528 (10.6 - 13.4)	.906 (23.0)	1.375 (34.9)	1.062 (27.0)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

G

TOOLING INFORMATION

Catalog Number	Burndy		Kearney	
	Y35, Y35-2, BAT35, BAT35C, Y35BH, Y35BH-4, Y35L, Y39, Y38BH, Y750, Y750-2, BAT750, BAT750C, Y750BH, Y46, YA46C Die (No. of Crimps)	MD-6 Die (No. of Crimps)	WH-1, WH-2 Die (No. of Crimps)	O-52 Die (No. of Crimps)
CST-301	U-BG (1); U-243 (1)	W-BG (1)	B-K-T (1)	T (1)
CST-302	U-BG (1); U-243 (1)	W-KK (1)	B-K-T (1)	K (1)
CDT-399-8	U-BG (1); U-243 (1)	W-BG (1)	B-K-T (1)	T (1)
CDT-398-8	U-BG (1); U-243 (1)	W-KK (1)	B-K-T (1)	K (1)
CDT-304-8	U-O (1)	-	O (1)	-
CDT-303-8	U-O (1)	-	O (1)	-
CDT-308-8	U-D3 (1)	-	D (1)	-
CDT-307-8	U-D3 (1)	-	D (1)	-

Copper C-Tap Thin Wall

RoHS Compliant

c UL us LISTED E6207

TYPE
TWCT

Features
- Manufactured from high conductivity copper
- Marked with wire size, die index and part number
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- UL and CUL Listed for grounding, bonding and power
- Bright dip finish

Benefits
- Provides maximum conductivity and low contact resistance
- Clear and easy identification
- Reduces stocking inventory
- Application versatility
- Direct burial in earth or concrete
- Resist corrosion and oxidization

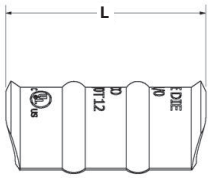


Fig. 1

Fig. 2

Fig. 3

Catalog Number	Figure Number	Accommodates		Rebar			Die Color Code
		Run	Tap	A	B	L	
TWCTR10T16	1	14	16-14	0.130 (3.3)	0.190 (4.8)	0.420 (10.7)	Red
		12	16-14				
		10	14				
TWCTR8T12	1	10	10	0.155 (3.9)	0.250 (6.4)	0.620 (15.7)	Blue
		8	12				
TWCTR6T12	1	8	10-8	0.235 (6.0)	0.325 (8.3)	0.620 (15.7)	Gray
		6	12-10				
TWCTR4T12	2	6	8-6	0.235 (6.0)	0.405 (10.3)	1.210 (30.7)	Brown
		5,4	12-8				
TWCTR3T12	2	5,4	6-5	0.260 (6.6)	0.487 (12.4)	1.206 (30.6)	Green
		3	12-6				
TWCTR2T12	2	4	4	0.297 (7.5)	0.515 (13.1)	1.210 (30.7)	Pink
		3	5				
		2	12-6				
TWCTR1T12	3	3	4-3	0.339 (8.6)	0.568 (14.4)	1.750 (44.5)	Black
		2	5-4				
		1	12-5				
TWCTR1/0T12	3	2str. 2sol.	2str. 2sol. 3str. 3sol.	0.375 (9.5)	0.645 (16.4)	1.750 (44.5)	Orange
		1str. 1sol.	4str. 4sol. 3str. 3sol.				
		1/0str. 1/0sol.	12str. 12sol. 4str. 4sol.				
TWCTR2/0T12	3	1	2-1	0.420 (10.7)	0.755 (19.2)	1.750 (44.5)	Purple
		1/0	3-2				
		2/0	12-3				
TWCTR3/0T12	3	1/0	1-1/0	0.470 (11.9)	0.830 (21.1)	1.750 (44.5)	Yellow
		2/0	2-1				
		3/0	12-2				

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207
Tested to UL 467, UL File E6207
Tin plated versions can be made available. Contact Customer Care for price and availability

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INFORMATION SHEET TWCT SERIES

Compression Grounding Copper C-Tap Thin Wall for Copper Conductors
Suitable for Direct Burial in Earth or Concrete

UL LISTED

Tooling Information				Installation Tooling												
				ILSCO Tools			UTILCO Tools		Burndy Tools				Thomas & Betts Tools		Panduit Tools		
				Mechanical	Hydraulic		Hydraulic		Mechanical	Hydraulic			Mechanical		Mechanical		
				Hand Tool	6 Ton W-die Hydraulic		6 Ton W-die Hydraulic		Hand Tool	6 Ton W-die Hydraulic		10-14 Ton U-die Hydraulic	Hand Tool	High Leverage Hand Tool	Hand Tool	6 Ton W-die Hydraulic	
Connnector / Wire Combinations (Cu only)				ILC-10N	TB-6WBG500 series, TB-6WD3500 series, TB-6WO500 series		BLL-WBG series, BLL-WD3 series, BLL-WO series		Y1MR, Y1MR-TC	Y500CT series, PAT600 series, PATMD6 series		Y35 series, Y39 series, Y750 series, Y45, Y46	TBM25S, TBM45S, TBM21E, TBM41E	TBM5/5S, TBM6/6S, TBM8/8S	CT-1700	CT-2001, CT-2002	
				Die No.	ILSCO Die No.	Burndy Die No.	ILSCO Die No.	Burndy Die No.	Die Color	Die No.	Die No.	Die No.		Die Color	Die Color /	Die No.	Wire
Catalog Number	Accommodates		Color Code	Index # (# crimps)	Index # (# crimps)	Index # (# crimps)	Index # (# crimps)	Index # (# crimps)	Index # (# crimps)	Index # (# crimps)	Index # (# crimps)	Index # (# crimps)	Die Color (# crimps)	Index # (# crimps)	Index # (# crimps)	Die Color & No. (# crimps)	Strip Length
	Run	Tap															
TWCTR10T16	14 Str	16 Str - 14 Str	Red		ILD-W21 21 (1)	W8CVT 49 (1)	ILD-W21 21 (1)	W8CVT 49 (1)		W8CVT 49 (1)				Red Nest 21 (1)		CD-2001-8 Red P21 (1)	1"
	12 Str	16 Str - 14 Str															
	10 Str	14 Str															
TWCTR8T12	10 Str	10 Str	Blue	SP 1267-01 Blue (1)	ILD-W24 24 (1)	W5CVT 7 (1)	ILD-W24 24 (1)	W5CVT 7 (1)	Blue 7 (1)	W5CVT 7 (1)			Blue Nest (1)	Blue Nest 24 (1)	Blue P24 (1)	CD-2001-6 Blue P24 (1)	1-1/8"
	8 Str	12 Str															
TWCTR6T12	8 Str	10 Str - 8 Str	Gray	SP 1267-01 Gray (2)	ILD-W29 29 (1)	W4CVT 8 (1)	ILD-W29 29 (1)	W4CVT 8 (1)	Gray 8 (2)	W4CVT 8 (1)			Gray Nest (2)	Gray Nest 29 (2)	Gray P29 (2)	CD-2001-4 Gray P29 (1)	1-1/8"
	6 Str	12 Str - 10 Str															
TWCTR4T12	6 Str	8 Str - 6 Str	Brown		ILD-W33 33 (1)	W2CVT 10 (2)	ILD-W33 33 (1)	W2CVT 10 (2)		W2CVT 10 (2)	WC4 10M (1)	UC4 10M (1)		Brown Nest 33 (2)	Brown P33 (2)	CD-2001-2 Brown P33 (2)	1-3/4"
	5 Str - 4 Str	12 Str - 8 Str															
TWCTR3T12	5 Str - 4 Str	6 Str - 5 Str	Green		ILD-W37 37 (1)	W1CVT 11 (2)	ILD-W37 37 (1)	W1CVT 11 (2)		W1CVT 11 (2)				Green Nest 37 (2)		CD-2001-1 Green P37 (2)	1-3/4"
	3 Str	12 Str - 6 Str															
TWCTR2T12	4 Str	4 Str	Pink		ILD-W42 42 (1)	W25VT 12 (2)	ILD-W42 42 (1)	W25VT 12 (2)		W25VT 12 (2)	WC2 12M (1)	UC2 12M (1)		Pink Nest 42 (2)		CD-2001-1/0 Pink P42 (2)	1-3/4"
	3 Str	5 Str															
	2 Str	12 Str - 6 Str															
TWCTR1T12	3 Str	4 Str - 3 Str	Black		ILD-W45 45 (1)	W26VT 13 (3)	ILD-W45 45 (1)	W26VT 13 (3)		W26VT 13 (3)	WC1 13M (2)	UC1 13M (1)		Black Nest 45 (3)		CD-2001-2/0 Black P45 (3)	2-1/4"
	2 Str	5 Str - 4 Str															
	1 Str	12 Str - 5 Str															
TWCTR1/0T12	2 Str/Sol	2 Str/Sol - 3 Str/Sol	Orange		ILD-W50 50 (1)	W27VT 14 (3)	ILD-W50 50 (1)	W27VT 14 (3)		W27VT 14 (3)	WC25 14M (2)	UC25 14M (1)		Orange Nest 50 (3)		CD-2001-3/0 Orange P50 (3)	2-1/4"
	1 Str/Sol	4 Str/Sol - 3 Str/Sol															
	1/0 Str/Sol	12 Str/Sol - 4 Str/Sol															
TWCTR2/0T12	1 Str	2 Str - 1 Str	Purple		ILD-W54 54 (1)	W28VT 15 (3)	ILD-W54 54 (1)	W28VT 15 (3)		W28VT 15 (3)		UC26 15 (1)		Purple Nest 54 (3)		CD-2001-4/0 Purple P54 (3)	2-1/4"
	1/0 Str	3 Str - 2 Str															
	2/0 Str	12 Str - 3 Str															
TWCTR3/0T12	1/0 Str	1 Str - 1/0 Str	Yellow		ILD-W62 62 (1)	W29VT 16 (3)	ILD-W62 62 (1)	W29VT 16 (3)		W29VT 16 (3)						CD-2001-250 Yellow P62 (3)	2-1/4"
	2/0 Str	2 Str - 1 Str															
	3/0 Str	12 Str - 2 Str															

Notes:
1. The TWCT series are designed to connect two copper ground conductors
2. The TWCT series are suitable for direct burial

Economy Ground Rod Clamps
for Ground Rods and Rebar

RoHS Compliant

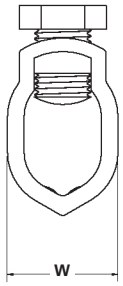
UL LISTED 667P

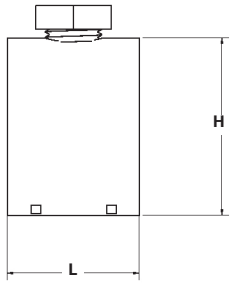
SA LR-29601

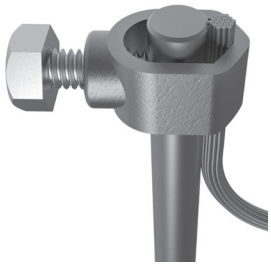
TYPE
CGRC

Features
- Manufactured from bronze alloy
- Supplied with stainless steel hardware
- UL 467 Listed for direct burial and CSA Certified

Benefits
- Ensures maximum strength and durability
- Suitable for direct burial in earth or concrete
- Ensures a safe and reliable grounding connection







Catalog Number	Ground Rod		Rebar		Dimensions - in. (mm)		
	Size	Wire Range	Size	Wire Range	W	H	L
CGRC-38 +	3/8	4-10	#3	4-10	0.472 (12.0)	1.025 (26.0)	0.695 (17.7)
CGRC-48	1/2	2-10	#4	2-10	0.615 (15.6)	1.220 (31.0)	0.775 (19.7)
CGRC-58	5/8	2-10	#5	4-10	0.625 (15.9)	1.370 (34.8)	0.930 (23.6)
CGRC-68	3/4	2-10	#6	4-10	0.645 (16.4)	1.543 (39.2)	1.118 (28.4)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
+ CGRC-38 is not UL Listed
Tested to UL 467, UL File E34440

G

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Ground Rod Clamps
for Ground Rods and Rebar

RoHS Compliant

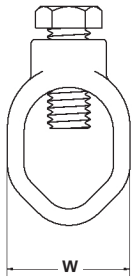
UL LISTED 667P

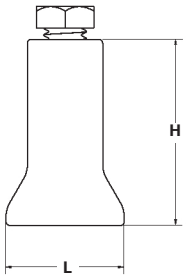
SA LR-29601

TYPE
BGRC

Features
- Manufactured from cast bronze
- Supplied with silicone bronze hardware
- UL 467 Listed for direct burial and CSA Certified

Benefits
- Ensures maximum strength and durability
- Suitable for direct burial in earth or concrete
- Ensures a safe and reliable grounding connection





Catalog Number	Ground Rod		Rebar		Dimensions - in. (mm)		
	Size	Wire Range	Size	Wire Range	W	H	L
BGRC-48	1/2	2-10	-	-	0.892 (22.7)	1.270 (32.3)	0.822 (26.2)
BGRC-58	5/8	1/0-8	#5	1/0-8	1.031 (26.2)	1.428 (36.3)	0.925 (23.5)
BGRC-68	3/4	1/0-8	-	-	1.031 (26.2)	1.550 (39.4)	1.040 (27.2)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 467, UL File E34440

G

Ground Rod Clamps
for Ground Rods

RoHS Compliant

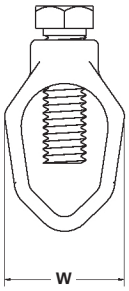
UL LISTED 667P

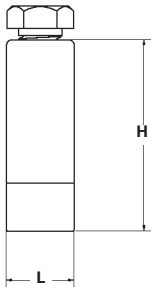
SA LR-29601

TYPE
SRC

Features
- Manufactured from bronze alloy
- Supplied with stainless steel hardware
- UL 467 Listed for direct burial and CSA Certified
- Range taking

Benefits
- Ensures maximum strength and superior conductivity
- Suitable for direct burial in earth or concrete
- Ensures a safe and reliable grounding connection
- Reduces inventory requirement





Catalog Number	Ground Rod		Dimensions - in. (mm)		
	Size	Wire Range	W	H	L
RC-1/0	3/8*, 1/2, 5/8 3/4	1/0 str - 10 sol 1/0 str - 8 sol	0.892 (22.7) 0.590 (15.0)	1.270 (32.3) 1.666 (42.3)	0.750 (19.1) 1.031 (26.2)

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All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*SRC-1/0 is not UL Listed with a 3/8" ground rod
Tested to UL 467, UL File E34440

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Ground Rod Clamps

RoHS Compliant

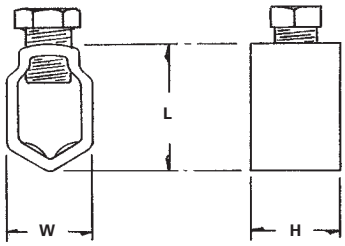
UL LISTED 667P

SA LR-29601

TYPE
GRC

Features
- Manufactured from seamless bronze tubing
- Supplied with silicon bronze screw
- Suitable for grounding and bonding in applications such as swimming pools and spas
- Copper conductor only

Benefits
- Provides maximum strength and superior conductivity
- Ground rod clamp is suitable for direct burial in earth or concrete



Catalog Number	Ground Rod Size	Ground Wire Range	Rebar Size	Rebar Wire Range	Dimensions - in. (mm)	
					L	W
GRC-58+	5/8	2-8	-	-	15/16	7/8
GRC-68	3/4, 5/8	2-8 for 3/4 rod, 1/0-8 for 5/8 rod	#5	1/0-8	1	1
GRC-75*	3/4	3/0-8	-	-	3/4	1-5/32

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Plain copper finish.
+ RUS Listed.
* Not UL Listed
Tested to UL 467, UL File E34440

G

Grounding Connectors
For Copper Conductor Only

RoHS Compliant

UL LISTED 667P

CSA LR-5465

TYPE
RLT

Features
- UL Listed and CSA certified for direct burial in earth or concrete
- Range taking
- Manufactured from high strength copper alloy
- Prefilled with DE-OX® oxide inhibitor compound and bagged
- Clearly marked with wire size and die index

Benefits
- Ensures reliability
- Reduces inventory
- Provides maximum conductivity and eliminates the possibility of corrosion
- Prevents oxides from forming
- Provides easy identification and tooling recommendations

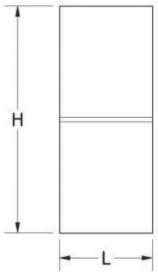


Fig. 1

Fig. 2

Fig. 3

Catalog Number	Figure Number	Ground Rod Size	Wire Range	Die Index	Dimensions - in. (mm)	
					H	L
RLT-2	1	1/2	2/0 - 2	998/1011	1.940 (49.3)	0.880 (22.4)
RLT-3	1	5/8	2/0 - 2	998/1011	1.970 (50.0)	0.880 (22.4)
RLT-4	1	3/4	2/0 - 2	998/1011	2.190 (55.6)	0.880 (22.4)
RLT-10	1	1	2/0 - 2	998/1011	2.440 (62.0)	0.880 (22.4)
RLT-5	1	1/2	250kcmil - 4/0	998/1011	1.940 (49.3)	0.880 (22.4)
RLT-6	1	5/8	250kcmil - 4/0	998/1011	2.140 (54.4)	0.880 (22.4)
RLT-7	1	3/4	250kcmil - 4/0	998/1011	2.190 (55.6)	0.880 (22.4)
RLT-11	1	1	250kcmil - 4/0	998/1011	2.570 (65.3)	0.880 (22.4)
RLT-8	1	5/8	500kcmil - 300kcmil	998/1011	2.140 (54.4)	0.880 (22.4)
RLT-9	1	3/4	500kcmil - 300kcmil	998/1011	2.440 (62.0)	0.880 (22.4)
RLT-12	1	1	500kcmil - 300kcmil	998/1011	2.680 (68.1)	0.880 (22.4)
RLT-13	2	5/8	2 SOL	998/1011	2.140 (54.4)	0.880 (22.4)
RLT-4TN*	3	3/4	2/0 - 2	998/1011	2.191 (55.7)	0.875 (22.2)
RLT-7TN*	3	3/4	250kcmil - 4/0	998/1011	2.191 (55.7)	0.875 (22.2)
RLT-8TN*	3	5/8	500kcmil - 300kcmil	998/1011	2.142 (54.4)	0.875 (22.2)
RLT-9TN*	3	3/4	500kcmil - 300kcmil	998/1011	2.432 (61.8)	0.875 (22.2)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 467, UL File E34440

* All suffix "TN" parts electro-tin plated; to be specifically used with galvanized steel ground rod. The ground rod hole diameter is larger to suit galvanized steel.

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Grounding Connectors
Tooling

RoHS Compliant | UL LISTED 667P | CSA LR-5465

TYPE
RLT

Features
- UL Listed and CSA certified for direct burial in earth or concrete
- Range taking
- Manufactured from high strength copper alloy
- Prefilled with DE-OX® oxide inhibitor compound and bagged
- Clearly marked with wire size and die index

Benefits
- Ensures reliability
- Reduces inventory
- Provides maximum conductivity and eliminates the possibility of corrosion
- Prevents oxides from forming
- Provides easy identification and tooling recommendations

	ILSCO				COMPETITOR'S TOOLING							
	ILSCO				Burndy				Thomas & Betts			
	Hydraulic Tools				Hydraulic Tools				Hydraulic Tools			
	12-Ton		15-Ton		12-Ton		15-Ton		12-Ton		15-Ton	
Catalog Number	ILC-12-N, ILC-12H-N, ILCB-12-LIO (No. of Crimps)		ILC-15-H (No. of Crimps)		Y750, PAT750XT, Y750BH (No. of Crimps)		Y46, Y46C, PAT46 (No. of Crimps)		TBM14M, TBM14MC TBM14BSCR, BPLT14BSCR, BPLT14BSCRI, 13100A (No. of Crimps)		TBM15I, BPLT15BSCR (No. of Crimps)	
	Die 998	Die 1011	Die 998	Die 1011	Die 998	Die 1011	Die 998	Die 1011	Die 998	Die 1011	Die 998	Die 1011
RLT-2	(1)	-	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
RLT-3	(1)	-	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
RLT-4	(1)	-	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
RLT-5	(1)	-	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
RLT-6	(1)	-	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
RLT-7	(1)	-	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
RLT-8	(1)	-	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
RLT-9	(1)	-	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
RLT-10	(1)		(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
RLT-11	(1)	-	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
RLT-12	(1)	-	-	(2)	(1)	(2)	-	(2)	(1)	(2)	(1)	(2)
RLT-13	(1)	-	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
RLT-4TN	(1)	-	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
RLT-7TN	(1)	-	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
RLT-8TN	(1)	-	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
RLT-9TN	(1)	-	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)

Notes:
1. The RLT Series of compression connectors are designed to connect a copper ground conductor to a copper clad ground rod.
2. The RLT Series of compression connectors are pre-filled with inhibiting compound and are suitable for direct burial.
3. It is recommended to rough up the end of the ground rod where RLT is to be placed. This provides good rotational resistance. Preform a "pre-crimp" on ground rod prior to installing RLT connector. Use an indent type of dies such as Burndy's U2CABT (Die Index #348) or UPRECRIMP-12, -58, -34.*
4. The RLT Series may be rotated around the rod to any desired position before crimping.

* "UPRECRIMP" and "U2CABT" are registered trademarks TM of Burndy/FCI

INFORMATION SHEET (RLT, RLT-TN SERIES)

Grounding and Bonding Equipment
Compression Connectors for Copper Conductors
Suitable for Direct Burial in Earth or Concrete

UL LISTED 667P

SA LR-29601

UTILCO connections matter

Catalog Number	Copper Ground Rod Size	Galv. Steel Ground Rod Size	Copper Wire Range	Installation Tools: ILSCO: ILC-12-N, ILC-12H-N, ILCB-12 Series, ILC-14 Series, TM-12U1000, TR-12U1000, TB-12U1000 Series: Die 998 (# Crimps)	ILSCO: ILC-750: Die 998 (# Crimps)	ILSCO: ILC-750: Die 1011 (# Crimps)	ILSCO: ILC-15 Series: Die 998 (# Crimps)	ILSCO: ILC-15 Series: Die 1011 (# Crimps)	ILSCO: ILC-12, ILC-12H: Die 998 (# Crimps)	UTILCO: UM-U42, UR-U42, BLL-42 Series: Die 998 (# Crimps)	Ridgid: RE 12-M: Die 998 (# Crimps)	Greenlee: EK1240, HK1240, RK1240: Die 998 (# Crimps)	Greenlee: RK1550: Die 998 (# Crimps)	Greenlee: RK1550: Die 1011 (# Crimps)	Thomas & Betts: 13100A, TBM14 Series, TBM15 Series, BPLT14 Series, BPLT15 Series: Die 998 (# Crimps)	Thomas & Betts: 13100A, TBM14 Series, TBM15 Series, BPLT14 Series, BPLT15 Series: Die 1011 (# Crimps)	Burndy: Y750 Series, PAT750 Series: Die 998 (# Crimps)	Burndy: Y750 Series, PAT750 Series: Die 1011 (# Crimps)	Burndy: Y45 Series, Y46 Series, PAT46 Series: Die 998 (# Crimps)	Burndy: Y45 Series, Y46 Series, PAT46 Series: Die 1011 (# Crimps)	Burndy: Y35 Series, Y39 Series: Die 998 (# Crimps)
RLT-2	1/2	-	#2 - 2/0 AWG	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-3	5/8	-	#2 - 2/0 AWG	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-4	3/4	-	#2 - 2/0 AWG	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-5	1/2	-	4/0 AWG - 250 kcmil	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-6	5/8	-	4/0 AWG - 250 kcmil	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-7	3/4	-	4/0 AWG - 250 kcmil	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-8	5/8	-	300 - 500 kcmil	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-9	3/4	-	300 - 500 kcmil	1	1	2	1	2	N/A	1	1	1	1	2	1	2	1	2	1	2	N/A
RLT-10	1	-	#2 - 2/0 AWG	1	1	2	1	2	N/A	1	1	1	1	2	1	2	1	2	1	2	N/A
RLT-11	1	-	4/0 AWG - 250 kcmil	1	1	2	1	2	N/A	1	1	1	1	2	1	2	1	2	1	2	N/A
RLT-12	1	-	300 - 500 kcmil	1	1	2	N/A	2	N/A	1	1	1	N/A	2	1	2	1	2	N/A	2	N/A
RLT-13	5/8	-	#2 AWG Sol	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-4TN	-	3/4	#2 - 2/0 AWG	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-7TN	-	3/4	4/0 AWG - 250kcmil	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-8TN	-	5/8	300 - 500 kcmil	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-9TN	-	3/4	300 - 500 kcmil	1	1	2	1	2	N/A	1	1	1	1	2	1	2	1	2	1	2	N/A

RLT Series of compression connectors are designed to connect a copper ground conductor to a copper clad ground rod.
RLT-TN Series of compression connectors are designed to connect a copper ground conductor to a galvanized steel ground rod.
Both RLT and RLT-TN Series of compression connectors are pre-filled with inhibiting compound and are suitable for direct burial.

Notes:
1. Either ILSCO or Burndy Type U and P Dies can be used to install this product.
2. ILSCO and Burndy Type U-dies are designed to be used in crimping tools that apply at least 12-tons of pressure. Crimping ILSCO connectors with U-type dies in tools with less than 12-tons of pressure results in connections that do not meet ILSCO's design requirements for the system. Tools with less than 12-tons of pressure should not be used with U-type dies.
3. Adapter is required when using ILSCO ILC-15, Greenlee RK1550, Thomas & Betts TBM15, BPLT15, Burndy Y45, Y46 or PAT46 crimp tools.
4. It is recommended to rough up the end of the ground rod where the RLT or RLT-TN is to be placed. This provides good rotational resistance. Perform a "pre-crimp" on ground rod prior to installing RLT or RLT-TN connector. Use an indent type of die such as ILSCO's ILD-PRECRIMP, Burndy's U2CABT (Die Index # 348) or UPRECRIMP-12, -58, -34*.
5. Both RLT and RLT-TN Series may be rotated around the rod to any desired position before crimping.

Die Cast Ground Clamp

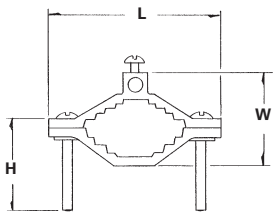
RoHS Compliant

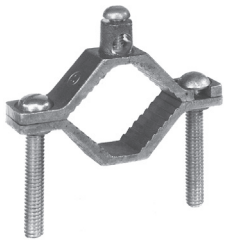
UL LISTED 8M24

TYPE
DCGC

Features
- Manufactured from die cast zinc alloy
- Assembled with zinc plated steel hardware
- Copper conductor only

Benefits
- Provides maximum durability while providing economy
- Provides corrosion resistance





Catalog Number	Conduit Size	Ground Wire Range	Dimensions		
			L	W	H
DCGC-1	1/2, 3/4, 1	2-8	2-13/64	1-3/8	1-1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

G

Cast Brass Ground Clamp

RoHS Compliant

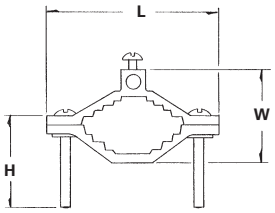
UL LISTED 8M24

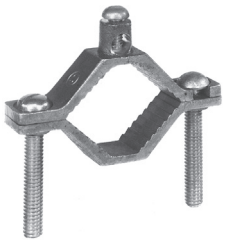
SA LR-701570

TYPE
BGC

Features
- Manufactured from cast brass
- Type BGC-DB supplied with stainless steel or silicon bronze hardware
- Copper conductor only

Benefits
- Provides maximum conductivity and strength
- BGC-1DB and BGC-2DB are suitable for direct burial in earth or concrete. Can be used to ground swimming pools and spas.





Catalog Number	Pipe Size	Ground Wire Range	Dimensions		
			L	W	H
BGC-1	1/2, 3/4, 1	2-10	2-9/32	1-7/16	1-1/2
BGC-2	1-1/4, 1-1/2, 2	2-10	3-9/16	2-1/4	2
BGC-1DB*	1/2, 3/4, 1	2-10	2-9/32	1-7/16	1-1/2
BGC-2DB*	1-1/4, 1-1/2, 2	2-10	3-8/16	2-1/4	2

G

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* Suitable for direct burial in earth or concrete.
UL File E158587

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Cast Bronze Ground Clamps

RoHS Compliant

UL LISTED 8M24

TYPE
BGC

Features
- Manufactured from cast bronze
- Versatile
- Copper conductor only

Benefits
- Provides maximum conductivity and strength
- Type BGC supplied with conduit hub for 1/2"-1" rigid conduit; type BGC-A can be used for bare or armoured cable

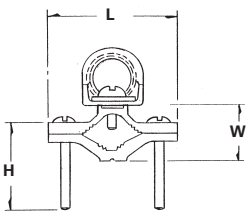
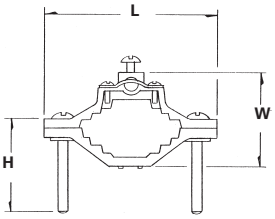


Fig. 1



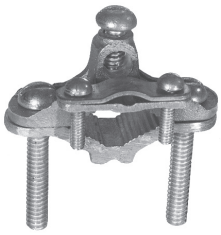


Fig. 2

Catalog Number	Figure Number	Pipe Size	Conduit Hub Size	Wire Range	Dimensions		
					H	W	L
BGC1-50	1	1/2–1	1/2	4str-8sol	1-1/2	1-1/32	2-1/4
BGC1-75	1	1/2–1	3/4	4str-8sol	1-1/2	1-1/32	2-1/4
BGC1-10	1	1/2–1	1	4str-8sol	1-1/2	1-1/32	2-1/4
BGC2-50	1	1-1/4–2	1/2	4str-8sol	2	1-3/4	3-19/32
BGC2-75	1	1-1/4–2	3/4	4str-8sol	2	1-3/4	3-19/32
BGC2-10	1	1-1/4–2	1	4str-8sol	2	1-3/4	3-19/32
BGC-1A*	2	1/2–1	-	4str-8sol	1-1/2	1-3/8	2-1/4
BGC-2A	2	1-1/4–2	-	4str-8sol	2	2-3/32	3-19/32

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* CSA Certified
UL File E158587

G

Cast Bronze Ground Clamps

RoHS Compliant

UL LISTED 8M24

TYPE
BGDB

Features
- Manufactured from bronze alloy
- UL Listed for direct burial in earth or concrete
- Lay-In feature

Benefits
- Ensures maximum strength and superior conductivity
- Ensures reliability
- Reduces installation time

Fig. 1

Fig. 2

Fig. 3

Fig. 4

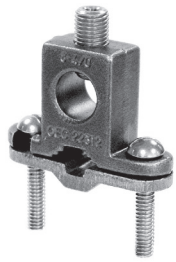


Fig. 5

Catalog Number	Figure Number	Pipe Size	Rebar Size	Ground Rod Size	Ground Wire Range	Screw Material	Dimensions	
							L	W
BGC-2T-DB*	1	1/2-1	3/8-1	1/2-1	2str-10sol	silicon bronze	2-3/4	2-1/4
BGC-2P-DB*	2	1/2-1	3/8-1	1/2-1	2str-10sol	silicon bronze	2-3/4	2-1/4
BGC-2PS-DB+	3	1/2-1	3/8-1	1/4-1	2str-10sol 2 #8sol	stainless steel	2-1/4	2-1/4
BGC-4/0P-DB=‡‡	4	1/2-1	3/8-1	1/2-1	4/0-8str	stainless steel	3	2-1/4
BGC-4/0S-DB=‡‡	5	1/2-1	3/8-1	1/2-1	4/0-8str	stainless steel	2-3/4	2-1/4

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* UL File E207816
+ UL File E198108
= UL File E178441
‡‡ Not RoHS compliant

G

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Ground Clamp with Strap

RoHS Compliant

UL LISTED 8M24

TYPE
BGCS

Features
- UL Listed and CSA Certified
- Conduit hub for 1/2" thru 1" rigid conduit
- Zinc plated screws
- ETP copper strap
- For copper conductor only

Benefits
- Ensures reliability
- Range taking
- Corrosion resistance
- Protects conduit system from vibrations
- and provides maximum conductivity

Fig. 1

Fig. 2

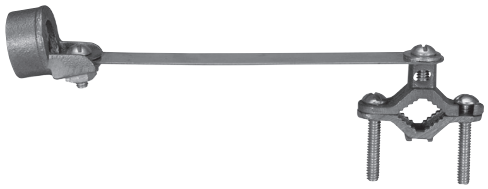


Fig. 3

Fig. 4

Catalog Number	Figure Number	Water Pipe Size	Conduit Hub Size	Ground Wire Range
CH-1	1	-	1	3/0 AWG - 10sol
CH-34	1	-	3/4	2/0 AWG - 10sol
J2124	2	2-1/2-4	-	4str - 10sol
J6	2	4-1/2-6	-	4str - 10sol
BGC-1-50S	3	1/2-1	1/2	8sol - 4str
BGC-1-75S	3	1/2-1	3/4	8sol - 4str
BGC-1-10S	3	1/2-1	1	8sol - 4str
BGC-1-50SH	4	1/2-1	1/2	2/0 - 10
BGC-1-75SH	4	1/2-1	3/4	2/0 - 10
BGC-1-10SH	4	1/2-1	1	2/0 - 10

G

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E207816

Bronze, Service Post Connectors
Single Conductor Type - Short Stud, Male

RoHS Compliant

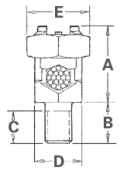
LISTED 8M24

AP-100973-1

TYPE
SPS

Features
- Range taking
- Re-usable
- UL 486A/B and UL 467 Listed
- For grounding of steel structures, fence posts and tapping cables from bus bar
- For copper to copper connections

Benefits
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Ensures reliability
- Flexibility in the field



Catalog Number	Conductor Range AWG MM [2]				Max Dia. Range	Stud Size	Dimensions				
	Stranded		Solid								
	Max.	Min.	Max.	Min.			A	B	C	D	E
SPSS-0	8	12 (4mm^2)	8 (10mm^2)	12 (4mm^2)	.146-.080	1/4-20 x 1/2	11/16	1/2	23/64	15/32	1/2
SPSS-1	7 (10mm^2)	10 (6mm^2)	6 (10mm^2)	10 (6mm^2)	.170-.102	1/4-20 x 1/2	13/16	1/2	23/64	15/32	21/32
SPSS-2	5 (16mm^2)	10 (6mm^2)	4 (16mm^2)	10 (6mm^2)	.217-.102	5/16-18 x 5/8	15/16	5/8	25/64	17/32	23/32
SPSS-3	3 (25mm^2)	10 (6mm^2)	2 (35mm^2)	10 (6mm^2)	.271-.102	3/8-16 x 5/8	1/2	5/8	29/64	5/8	25/32
SPSS-4	1 (35mm^2)	8 (6mm^2)	2 (35mm^2)	8 (10mm^2)	.332-.128	3/8-16 x 5/8	1-1/16	5/8	29/64	11/16	7/8
SPSS-5	1/0 (50mm^2)	2 (35mm^2)	2 (35mm^2)	–	.385-.258	1/2-13 x 3/4	1-1/4	3/4	37/64	3/4	15/16
SPSS-6	2/0 (70mm^2)	2 (35mm^2)	2 (35mm^2)	–	.443-.258	1/2-13 x 3/4	1-13/32	3/4	37/64	7/8	1-1/16
SPSS-8	4/0 (95mm^2)	1 (35mm^2)	–	–	.570-.289	5/8-11 x 1	1-9/16	1	51/64	1	1-5/16
SPSS-9	350 (150mm^2)	1/0 (70mm^2)	–	–	.715-.373	5/8-11 x 1	2	1-1/4	51/64	1-5/16	1-11/16
SPSS-10	500 (240mm^2)	3/0 (95mm^2)	–	–	.840-.464	3/4-10 x 1-1/4	2-1/4	1-3/4	63/64	1-1/2	1-7/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

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Bronze, Service Post Connectors
Single Conductor Type - Long Stud, Male

RoHS Compliant

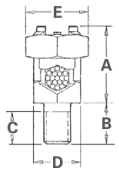
UL LISTED 8M24

SA AP-1009973-1

TYPE
SPS

Features
- Range taking
- Re-usable
- UL 486A/B and UL 467 Listed
- For grounding of steel structures, fence posts and tapping cables from bus bar
- For copper to copper connections

Benefits
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Ensures reliability
- Flexibility in the field



Catalog Number	Conductor Range AWG MM ^{2}				Max Dia. Range	Stud Size	Dimensions				
	Stranded		Solid								
	Max.	Min.	Max.	Min.			A	B	C	D	E
SPSL-0	8	12 (4mm^2)	8 (10mm^2)	12 (4mm^2)	.146-.080	1/4-20 x 1	11/16	1	55/64	15/32	1/2
SPSL-1	7 (10mm^2)	10 (6mm^2)	6 (10mm^2)	10 (6mm^2)	.170-.102	1/4-20 x 1	13/16	1	55/64	15/32	21/32
SPSL-2	5 (16mm^2)	10 (6mm^2)	4 (16mm^2)	10 (6mm^2)	.217-.102	5/16-18 x 1	15/16	1	53/64	17/32	23/32
SPSL-3	3 (25mm^2)	10 (6mm^2)	2 (35mm^2)	10 (6mm^2)	.271-.102	3/8-16 x 1-1/8	1/2	1-1/8	61/64	5/8	25/32
SPSL-4	1 (35mm^2)	8 (6mm^2)	2 (35mm^2)	8 (10mm^2)	.332-.128	3/8-16 x 1-1/8	1-1/16	1-1/8	61/64	11/16	7/8
SPSL-5	1/0 (50mm^2)	2 (35mm^2)	2 (35mm^2)	–	.385-.258	1/2-13 x 1-1/4	1-1/4	1-1/4	1-5/64	3/4	15/16
SPSL-6	2/0 (70mm^2)	2 (35mm^2)	2 (35mm^2)	–	.443-.258	1/2-13 x 1-1/4	1-13/32	1-1/4	1-5/64	7/8	1-1/16
SPSL-8	4/0 (95mm^2)	1 (35mm^2)	–	–	.570-.289	5/8-11 x 1-1/2	1-9/16	1-1/2	1-19/64	1	1-5/16
SPSL-10	500 (240mm^2)	3/0 (95mm^2)	–	–	.840-.464	3/4-10 x 1-3/4	2-1/4	1-1/2	1-31/64	1-1/2	1-7/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

G

Bronze, Service Post Connectors
Double Conductor Type - Short Stud, Male

RoHS Compliant

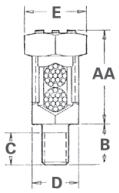
UL LISTED 8M24

SA AP.100973-1

TYPE
SPD

Features
- Range taking
- Re-usable
- UL 486A/B and UL 467 Listed
- For grounding of steel structures, fence posts and tapping cables from bus bar
- For copper to copper connections

Benefits
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Ensures reliability
- Flexibility in the field



Catalog Number	Conductor Range AWG MM ^{2}				Max Dia. Range	Stud Size	Dimensions				
	Stranded		Solid								
	Max.	Min.	Max.	Min.			AA	B	C	D	E
SPDS-0	8	12 (4mm^2)	8 (10mm^2)	12 (4mm^2)	.146-.080	1/4-20 x 1/2	13/16	1/2	23/64	15/32	1/2
SPDS-1	7 (10mm^2)	10 (6mm^2)	6 (10mm^2)	10 (6mm^2)	.170-.102	1/4-20 x 1/2	31/32	1/2	23/64	15/32	21/32
SPDS-2	5 (16mm^2)	10 (6mm^2)	4 (16mm^2)	10 (6mm^2)	.217-.102	5/16-18 x 5/8	1-1/8	5/8	25/64	17/32	23/32
SPDS-3	3 (25mm^2)	10 (6mm^2)	2 (35mm^2)	10 (6mm^2)	.271-.102	3/8-16 x 5/8	1-1/4	5/8	29/64	5/8	25/32
SPDS-4	1 (35mm^2)	8 (6mm^2)	2 (35mm^2)	8 (10mm^2)	.332-.128	3/8-16 x 5/8	1-3/8	5/8	29/64	11/16	7/8
SPDS-5	1/0 (50mm^2)	2 (35mm^2)	2 (35mm^2)	–	.385-.258	1/2-13 x 3/4	1-19/32	3/4	37/64	3/4	15/16
SPDS-6	2/0 (70mm^2)	2 (35mm^2)	2 (35mm^2)	–	.443-.258	1/2-13 x 3/4	1-13/16	3/4	37/64	7/8	1-1/16
SPDS-8	4/0 (95mm^2)	1 (35mm^2)	–	–	.570-.289	5/8-11 x 1	2-1/16	1	51/64	1	1-5/16
SPDS-9	350 (150mm^2)	1/0 (70mm^2)	–	–	.715-.373	5/8-11 x 1	2-3/4	1-1/4	51/64	1-5/16	1-11/16
SPDS-10	500 (240mm^2)	3/0 (95mm^2)	–	–	.840-.464	3/4-10 x 1-1/4	3-1/8	1-3/4	63/64	1-1/2	1-7/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

G

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Bronze, Service Post Connectors
Double Conductor Type - Long Stud, Male

RoHS Compliant

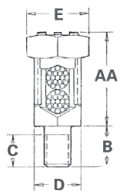
UL LISTED 8M24

SA AP-100973-1

TYPE
SPD

Features
- Range taking
- Re-usable
- UL 486A/B and UL 467 Listed
- For grounding of steel structures, fence posts and
- tapping cables from bus bar
- For copper to copper connections

Benefits
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Ensures reliability
- Flexibility in the field



Catalog Number	Conductor Range AWG MM [2]				Max Dia. Range	Stud Size	Dimensions				
	Stranded		Solid								
	Max.	Min.	Max.	Min.			AA	B	C	D	E
SPDL-0	8	12 (4mm^2)	8 (10mm^2)	12 (4mm^2)	.146-.080	1/4-20 x 1	13/16	1	55/64	15/32	1/2
SPDL-1	7 (10mm^2)	10 (6mm^2)	6 (10mm^2)	10 (6mm^2)	.170-.102	1/4-20 x 1	31/32	1	55/64	15/32	21/32
SPDL-2	5 (16mm^2)	10 (6mm^2)	4 (16mm^2)	10 (6mm^2)	.217-.102	5/16-18 x 1	1-1/8	1	53/64	17/32	23/32
SPDL-3	3 (25mm^2)	10 (6mm^2)	2 (35mm^2)	10 (6mm^2)	.271-.102	3/8-16 x 1-1/8	1-1/4	1-1/8	61/64	5/8	25/32
SPDL-4	1 (35mm^2)	8 (6mm^2)	2 (35mm^2)	8 (10mm^2)	.332-.128	3/8-16 x 1-1/8	1-3/8	1-1/8	61/64	11/16	7/8
SPDL-5	1/0 (50mm^2)	2 (35mm^2)	2 (35mm^2)	–	.385-.258	1/2-13 x 1-1/4	1-19/32	1-1/4	1-5/64	3/4	15/16
SPDL-6	2/0 (70mm^2)	2 (35mm^2)	2 (35mm^2)	–	.443-.258	1/2-13 x 1-1/4	1-13/16	1-1/4	1-5/64	7/8	1-1/16
SPDL-8	4/0 (95mm^2)	1 (35mm^2)	–	–	.570-.289	5/8-11 x 1-1/2	2-1/16	1-1/2	1-19/64	1	1-5/16
SPDL-9	350 (150mm^2)	1/0 (70mm^2)	–	–	.715-.373	5/8-11 x 1-1/2	2-3/4	1-1/2	1-19/64	1-5/16	1-11/16
SPDL-10	500 (240mm^2)	3/0 (95mm^2)	–	–	.840-.464	3/4-10 x 1-3/4	3-1/8	1-1/2	1-31/64	1-1/2	1-7/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

G

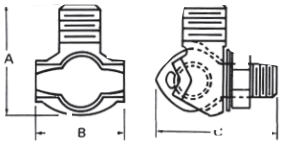
Bronze, Transformer Tank
Ground Connectors

RoHS Compliant

TYPE
TTGC

Features
- Manufactured from bronze
- Eye bolt on TTGC2 rotates to accommodate cable in vertical or horizontal direction
- Range taking
- Stud fits all standard EEI-NEMA distribution
- transformers

Benefits
- Provides maximum strength and superior conductivity
- Flexibility
- Permits inventories to be kept to a minimum
- Reliability



Catalog Number	Conductor Range		Stud Thread Size UNC - 2A	Dimensions		
	Max.	Min.		A	B	C
TTGC2	2/0	8 sol	1/2-13	1-51/64	1-9/64	1-21/32
TTGC3	1 str	10 sol	1/2-13	1-3/8	1-3/64	1-9/16
TTGC4+	1 str	10 sol	1/2-13	1-1/4	7/8	1-3/8
TTGC2TN+	2/0	8 sol	1/2-13	1-51/64	1-9/64	1-21/32
TTGC3TN*	1 str	10 sol	1/2-13	1-3/8	1-3/64	1-9/16
TTGC4TN*	1 str	10 sol	1/2-13	1-1/4	7/8	1-3/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
+ RUS Listed
* Tin Plated

G

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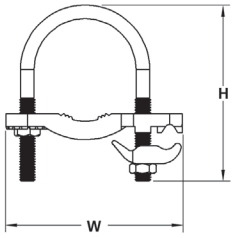
Bronze Waterpipe Ground Clamp

TYPE
GPL3

Features
- Range taking
- Cable clamp rotates
- Silicon bronze hardware
- UL 467 Listed

Benefits
- Inventory reduction
- Allows ground conductor to be attached parallel to pipe or at 90˚
- Corrosion resistant
- Suitable for direct burial in earth or concrete



Catalog Number	Ground Wire Range	IPS Pipe Size	Dimensions		Fits Pipe O.D. Range
			W	H	
GPL3902BU	4 - 4/0	1/2 - 1	3.250	3.500	.840 - 1.32
GPL3903BU	4 - 4/0	1-1/4 - 2	4.250	4.000	1.66 - 2.38
GPL3904BU	4 - 4/0	2-1/2 - 3-1/2	5.000	6.500	2.88 - 4.00
GPL3905BU	4 - 4/0	4 - 5	7.500	7.500	4.50 - 5.56
GPL3906BU	4 - 4/0	6	8.625	8.500	6.62
GPL3907BU	4 - 4/0	8	10.625	10.000	8.62
GPL3908BU	4 - 4/0	10	12.750	12.000	10.75
GPL3909BU	4 - 4/0	12	14.750	14.000	12.75

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E34440

G

U-Bolt Ground Clamp
for Pipes, Rods, Rebar, and Fence Posts
Tube O.D. Range: 0.500 - 2.375 in.

RoHS Compliant

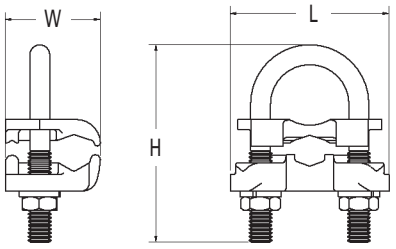
UL LISTED 667P

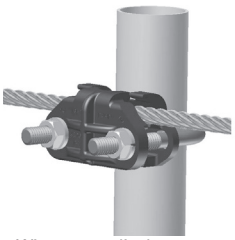
SA LR-29601

TYPE
GPL

Features
- For parallel and 90˚ copper conductor connections to pipes, rods, rebar and fence posts
- Components made from bronze and copper alloys
- Silicone bronze hardware
- Specially designed spacer
- Range taking
- Re-usable
- UL 467 Listed for direct burial and CSA Certified

Benefits
- Efficient use and flexibility in the field
- Provides maximum conductivity
- Corrosion resistant for longevity
- Enables cable alignment and positive contact
- Minimizes inventories
- Optimizes cost and flexibility for rework applications
- Ensures a safe and reliable grounding connection




Wire perpendicular to post

Wire parallel to post

Catalog Number	Wire Range	Tube I.P.S.	Rebar	Ground Rod	O.D. Range - in. (mm)		Overall Dimensions - in. (mm)		
					Min.	Max.	W	H	L
GPL-1	4str-8sol	1/4	#4	1/2	0.500 (12.7)	0.540 (13.7)	1.563 (39.7)	2.665 (67.7)	1.875 (47.6)
GPL-2	2/0str-4sol	1/4	#4	1/2	0.500 (12.7)	0.540 (13.7)	1.563 (39.7)	2.665 (67.7)	1.875 (47.6)
GPL-3	250kcmil-2/0sol	1/4	#4	1/2	0.500 (12.7)	0.540 (13.7)	1.563 (39.7)	2.665 (67.7)	1.875 (47.6)
GPL-4	4str-8sol	3/8	#6	5/8-3/4	0.625 (15.9)	0.750 (19.1)	1.563 (39.7)	2.875 (73.0)	2.250 (57.2)
GPL-5	2/0str-4sol	3/8	#6	5/8-3/4	0.625 (15.9)	0.750 (19.1)	1.563 (39.7)	2.875 (73.0)	2.250 (57.2)
GPL-6	250kcmil-2/0sol	3/8	#6	5/8-3/4	0.625 (15.9)	0.750 (19.1)	1.563 (39.7)	2.875 (73.0)	2.250 (57.2)
GPL-7	500kcmil-300kcmil	3/8	#6	5/8-3/4	0.625 (15.9)	0.750 (19.1)	1.563 (39.7)	2.875 (73.0)	2.250 (57.2)
GPL-8	4str-8sol	1/2-3/4	#8	7/8-1	0.840 (21.3)	1.050 (26.7)	1.563 (39.7)	3.265 (82.9)	2.625 (66.7)
GPL-9	2/0str-4sol	1/2-3/4	#8	7/8-1	0.840 (21.3)	1.050 (26.7)	1.563 (39.7)	3.265 (82.9)	2.625 (66.7)
GPL-10	250kcmil-2/0sol	1/2-3/4	#8	7/8-1	0.840 (21.3)	1.050 (26.7)	1.563 (39.7)	3.265 (82.9)	2.625 (66.7)
GPL-12	500kcmil-300kcmil	1/2-3/4	#8	7/8-1	0.840 (21.3)	1.050 (26.7)	1.563 (39.7)	3.265 (82.9)	2.625 (66.7)
GPL-14	4str-8sol	1	-	1 1/8-1 1/4	1.125 (28.6)	1.310 (33.3)	1.563 (39.7)	3.540 (89.9)	2.750 (69.9)
GPL-15	2/0str-4sol	1	-	1 1/8-1 1/4	1.125 (28.6)	1.310 (33.3)	1.563 (39.7)	3.540 (89.9)	2.750 (69.9)
GPL-16	250kcmil-2/0sol	1	-	1 1/8-1 1/4	1.125 (28.6)	1.310 (33.3)	1.563 (39.7)	3.540 (89.9)	2.750 (69.9)
GPL-17	500kcmil-300kcmil	1	-	1 1/8-1 1/4	1.125 (28.6)	1.310 (33.3)	1.563 (39.7)	3.540 (89.9)	2.750 (69.9)
GPL-20	4str-8sol	1 1/4	-	1 3/8-1 1/2	1.375 (34.9)	1.660 (42.2)	1.563 (39.7)	3.665 (93.1)	3.000 (76.2)
GPL-21	2/0str-4sol	1 1/4	-	1 3/8-1 1/2	1.375 (34.9)	1.660 (42.2)	1.563 (39.7)	3.665 (93.1)	3.000 (76.2)
GPL-22	250kcmil-2/0sol	1 1/4	-	1 3/8-1 1/2	1.375 (34.9)	1.660 (42.2)	1.563 (39.7)	3.665 (93.1)	3.000 (76.2)
GPL-23	500kcmil-300kcmil	1 1/4	-	1 3/8-1 1/2	1.375 (34.9)	1.660 (42.2)	1.563 (39.7)	3.665 (93.1)	3.000 (76.2)
GPL-26	4str-8sol	1 1/2	-	1 5/8-1 7/8	1.625 (41.3)	1.900 (48.3)	1.563 (39.7)	4.165 (105.8)	3.250 (82.6)
GPL-27	2/0str-4sol	1 1/2	-	1 5/8-1 7/8	1.625 (41.3)	1.900 (48.3)	1.563 (39.7)	4.165 (105.8)	3.250 (82.6)
GPL-28	250kcmil-2/0sol	1 1/2	-	1 5/8-1 7/8	1.625 (41.3)	1.900 (48.3)	1.563 (39.7)	4.165 (105.8)	3.250 (82.6)
GPL-29	500kcmil-300kcmil	1 1/2	-	1 5/8-1 7/8	1.625 (41.3)	1.900 (48.3)	1.563 (39.7)	4.165 (105.8)	3.250 (82.6)
GPL-32	4str-8sol	2	-	2-2 3/8	2.000 (50.8)	2.375 (60.3)	1.563 (39.7)	4.665 (118.5)	3.625 (92.1)
GPL-33	2/0str-4sol	2	-	2-2 3/8	2.000 (50.8)	2.375 (60.3)	1.563 (39.7)	4.665 (118.5)	3.625 (92.1)
GPL-34	250kcmil-2/0sol	2	-	2-2 3/8	2.000 (50.8)	2.375 (60.3)	1.563 (39.7)	4.665 (118.5)	3.625 (92.1)
GPL-35	500kcmil-300kcmil	2	-	2-2 3/8	2.000 (50.8)	2.375 (60.3)	1.563 (39.7)	4.665 (118.5)	3.625 (92.1)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 467, UL File E34440

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U-Bolt Ground Clamp
for Pipes, Rods, Rebar, and Fence Posts
Tube O.D. Range: 2.500 - 6.500 in.

RoHS Compliant

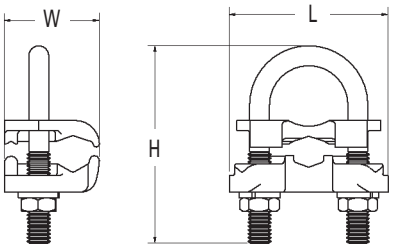
UL LISTED 667P

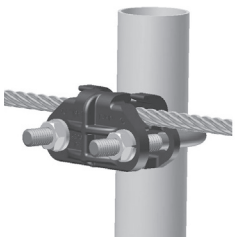
SA LR-29601

TYPE
GPL

Features
- For parallel and 90˚ copper conductor connections to pipes, rods, rebar and fence posts
- Components made from bronze and copper alloys
- Silicone bronze hardware
- Specially designed spacer
- Range taking
- Re-usable
- UL 467 Listed for direct burial and CSA Certified

Benefits
- Efficient use and flexibility in the field
- Provides maximum conductivity
- Corrosion resistant for longevity
- Enables cable alignment and positive contact
- Minimizes inventories
- Optimizes cost and flexibility for rework applications
- Ensures a safe and reliable grounding connection




Wire perpendicular to post

Wire parallel to post

Catalog Number	Wire Range	Tube I.P.S.	Rebar	Ground Rod	O.D. Range - in. (mm)		Overall Dimensions - in. (mm)		
					Min.	Max.	W	H	L
GPL-38	4str-8sol	2 1/2	-	2 1/2-2 7/8	2.500 (63.5)	2.875 (73.0)	1.600 (40.6)	5.165 (131.2)	4.250 (108.0)
GPL-39	2/0str-4sol	2 1/2	-	2 1/2-2 7/8	2.500 (63.5)	2.875 (73.0)	1.600 (40.6)	5.165 (131.2)	4.250 (108.0)
GPL-40	250kcmil-2/0sol	2 1/2	-	2 1/2-2 7/8	2.500 (63.5)	2.875 (73.0)	1.600 (40.6)	5.165 (131.2)	4.250 (108.0)
GPL-41	500kcmil-300kcmil	2 1/2	-	2 1/2-2 7/8	2.500 (63.5)	2.875 (73.0)	1.600 (40.6)	5.165 (131.2)	4.250 (108.0)
GPL-44	4str-8sol	3	-	3-3 1/2	3.000 (76.2)	3.500 (88.9)	1.600 (40.6)	5.790 (147.1)	4.750 (120.7)
GPL-45	2/0str-4sol	3	-	3-3 1/2	3.000 (76.2)	3.500 (88.9)	1.600 (40.6)	5.790 (147.1)	4.750 (120.7)
GPL-46	250kcmil-2/0sol	3	-	3-3 1/2	3.000 (76.2)	3.500 (88.9)	1.600 (40.6)	5.790 (147.1)	4.750 (120.7)
GPL-47	500kcmil-300kcmil	3	-	3-3 1/2	3.000 (76.2)	3.500 (88.9)	1.600 (40.6)	5.790 (147.1)	4.750 (120.7)
GPL-50	4str-8sol	3 1/2	-	3 1/2-4	3.500 (88.9)	4.000 (101.6)	1.600 (40.6)	6.790 (172.5)	5.250 (133.4)
GPL-51	2/0str-4sol	3 1/2	-	3 1/2-4	3.500 (88.9)	4.000 (101.6)	1.600 (40.6)	6.790 (172.5)	5.250 (133.4)
GPL-52	250kcmil-2/0sol	3 1/2	-	3 1/2-4	3.500 (88.9)	4.000 (101.6)	1.600 (40.6)	6.790 (172.5)	5.250 (133.4)
GPL-53	500kcmil-300kcmil	3 1/2	-	3 1/2-4	3.500 (88.9)	4.000 (101.6)	1.600 (40.6)	6.790 (172.5)	5.250 (133.4)
GPL-56	4str-8sol	4	-	4-4 1/2	4.000 (101.6)	4.500 (114.3)	1.600 (40.6)	7.040 (178.8)	5.875 (149.2)
GPL-57	2/0str-4sol	4	-	4-4 1/2	4.000 (101.6)	4.500 (114.3)	1.600 (40.6)	7.040 (178.8)	5.875 (149.2)
GPL-58	250kcmil-2/0sol	4	-	4-4 1/2	4.000 (101.6)	4.500 (114.3)	1.600 (40.6)	7.040 (178.8)	5.875 (149.2)
GPL-59	500kcmil-300kcmil	4	-	4-4 1/2	4.000 (101.6)	4.500 (114.3)	1.600 (40.6)	7.040 (178.8)	5.875 (149.2)
GPL-68	4str-8sol	5	-	5-5 1/2	5.000 (127.0)	5.500 (139.7)	1.563 (39.7)	8.665 (220.1)	7.000 (177.8)
GPL-69	2/0str-4sol	5	-	5-5 1/2	5.000 (127.0)	5.500 (139.7)	1.563 (39.7)	8.665 (220.1)	7.000 (177.8)
GPL-70	250kcmil-2/0sol	5	-	5-5 1/2	5.000 (127.0)	5.500 (139.7)	1.563 (39.7)	8.665 (220.1)	7.000 (177.8)
GPL-71	500kcmil-300kcmil	5	-	5-5 1/2	5.000 (127.0)	5.500 (139.7)	1.563 (39.7)	8.665 (220.1)	7.000 (177.8)
GPL-75	2/0str-4sol	6	-	6-6 1/2	6.000 (152.4)	6.500 (165.1)	1.563 (39.7)	9.165 (232.8)	8.000 (203.2)
GPL-76	250kcmil-2/0sol	6	-	6-6 1/2	6.000 (152.4)	6.500 (165.1)	1.563 (39.7)	9.165 (232.8)	8.000 (203.2)
GPL-77	500kcmil-300kcmil	6	-	6-6 1/2	6.000 (152.4)	6.500 (165.1)	1.563 (39.7)	9.165 (232.8)	8.000 (203.2)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 467, UL File E34440

G

Copper Ground Straps

RoHS Compliant

TYPE
GS
GSR

Features
- Manufactured from annealed copper sheet
- Two styles available
- Type GSR supplied in 10' coils with 1/4" holes

Benefits
- Provides maximum conductivity and greater flexibility
- Heavy-Duty or lightweight in four different lengths
- Can be cut to desired length which reduces inventory

Fig. 1

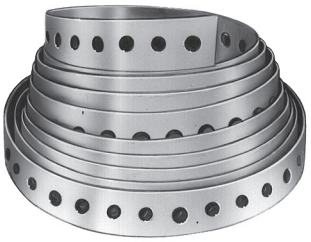


Fig. 2

Catalog Number	Figure Number	Pipe Size	Dimensions		Type
			L	W	
GS-1	1	3/8-1	5-17/32	3/4	Heavy .050 thick
GS-2	1	3/8-2	9-5/16	3/4	Heavy .050 thick
GS-3	1	3/8-3	12-3/4	3/4	Heavy .050 thick
GS-4	1	3/8-4	15-3/4	3/4	Heavy .050 thick
GS-10	1	3/8-1	5-17/32	3/4	Light .025 thick
GS-20	1	3/8-2	9-5/16	3/4	Light .025 thick
GS-30	1	3/8-3	12-3/4	3/4	Light .025 thick
GS-40	1	3/8-4	15-3/4	3/4	Light .025 thick

G

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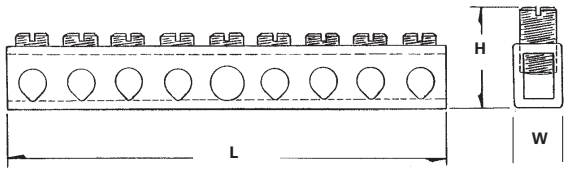
Copper Neutral Bars

TYPE
D167

Features
- Manufactured from high strength copper tubing
- Range taking
- UL Recognized for 600 volts

Benefits
- Provides maximum conductivity
- A wide range of conductor sizes can be used in the same connector
- Ensures reliability for copper conductor



Catalog Number	Number of Taps	Wire Range		Dimensions					Mounting Hole Positions	
		Main	Tap	L	Height With Maximum Wire	W	Bolt Size	Two Mounting Holes	From End Of Bar To First Mounting Hole	Distance Between Holes
D167-4	4	4-14	6-14	2-3/4	3/4	11/32	#10	13/64	.581 (2nd hole)	1.98
D167-6	6	4-14	6-14	3-1/2	3/4	11/32	#10	13/64	.978 (3rd hole)	1.98
D167-8	8	4-14	6-14	4-7/16	3/4	11/32	#10	13/64	1.375 (4th hole)	1.98
D167-10	10	4-14	6-14	5-1/8	3/4	11/32	#10	13/64	1.772 (5th hole)	1.98
D167-12	12	4-14	6-14	5-15/16	3/4	11/32	#10	13/64	2.169 (6th hole)	1.98
D167-14	14	4-14	6-14	6-23/32	3/4	11/32	#10	13/64	2.566 (7th hole)	1.98

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B and UL 467, UL File E6207

G

Copper Neutral Bars

TYPE
CAN

Features
- Manufactured from high strength copper tubing
- Compact design
- Range taking
- Circuit bars inserted at a 20 angle
- Copper conductor only

Benefits
- Provides maximum conductivity
- Up to 42 circuit taps can be made in just 5 1/2" of space
- A wide range of conductor sizes can be used in the same connector
- Provides easy wire insertion

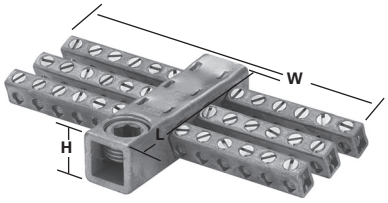


Fig. 1

Fig. 2

Fig. 3

Fig. 4

Catalog Number	Figure Number	Number of Taps	Wire Range		Dimensions			
			Main	Tap	L	Height With Maximum Wire	W	Two Tapped Mounting Holes
CAN-300	1	24	250kcmil-6	6-14	2-5/16	1-5/16	5-1/8	10-32
CAN-301	1	30	250kcmil-6	6-14	3	1-5/16	4-13/32	10-32
CAN-302	1	36	250kcmil-6	6-14	3	1-5/16	5-1/8	10-32
CAN-303	1	42	250kcmil-6	6-14	3	1-7/16	5-1/2	10-32
R-16	2	Mounting block of general purpose (phenolic black) suitable for mounting any of CAN Neutrals. 2-1/2" wide x 2-1/2" long x 1" thick.						
E-223	3	10-32 x 1/2" round head steel machine screws for fastening neutrals to mounting blocks. (Use lock washer to provide rigid assembly.)						
E-153	3	1/4-28 wire pressure screw 7/16" long. Screw is steel, zinc plated and chromate dipped.						
N-174‡	4	Supplied in 5' 9" lengths. Approximately 174 outlets. Wire range 14-6.						

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207
‡ Tested to UL 486A/B and UL 467, UL File E6207

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Dual Rated Ground Clamp

RoHS Compliant

UL LISTED 667P

TYPE
AGC
SGC

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Clear plated
- Versatile
- Range taking
-
- SGC Lay-In feature

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Effectively grounds aluminum or copper conductors to copper water pipe, galvanized pipe or steel conduit
- Three sizes cover a range from 1/2" to 4" pipe with a ground wire range of 250 kcmil - #14 which reduces inventory
- Provides ease of installation for long ground wire runs

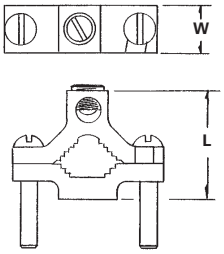

Fig. 1

Fig. 2

Fig. 3

Catalog Number	Figure Number	Pipe Size	Ground Wire Range	Screw Type	Dimensions		Hex Size
					L	W	
AGC-1	1	1/2-3/4-1	1/0-14	Slot	2-1/4	11/16	Slot
AGC-2	2	1 1/4-1 1/2-2	250kcmil-6	Hex Socket	3-3/4	13/16	5/16
AGC-4	2	2 1/2-3-3 1/2-4	250kcmil-6	Hex Socket	6-5/16	1	5/16
SGC-1/0*	3	1/2-3/4-1″	1/0-14	Slot	2-1/4	11/16	Slot

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.
* Typical application would be grounding computer floor room system.

UL File E34440

G

Dual Rated Lay-In Ground Lug

RoHS Compliant

UL LISTED 667P

SA LR-29601

TYPE
SGB

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Lay-in feature
- Exclusive Viritium® plating
- Green color universal to identify ground
- Serrations in conductor wire way
- Unique clamp design
- 1/4" max frame thickness (SGB-4, SGB-5)
- Meets ASTM B117-09

Benefits
- Suitable for use with copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation
- Resists galvanic corrosion
- Aids visual inspection
- Cuts oxidation
- No mounting hardware required, reusable
- Mount to solar panel frames
- Resistance to outdoor salt spray

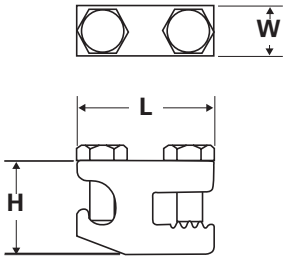

Fig. 1

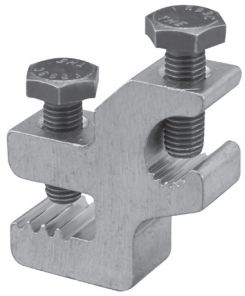

Fig. 2

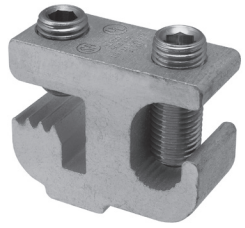

Fig. 3

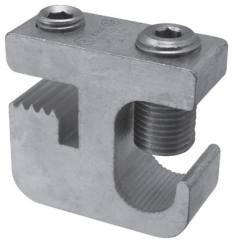

Fig. 4

Catalog Number	Figure Number	Ground Wire Range	Dimensions - in. (mm)			Hex Size
			L	W	H	
SGB-4+	1	4 sol/str-14 sol/str	1.375 (34.9)	0.500 (12.7)	0.941 (23.9)	7/16
SGB-5+	2	4 sol/str-14 sol/str	1.375 (34.9)	0.500 (12.7)	1.440 (36.6)	7/16
SGB-1/0	3	1/0 sol/str-14 sol/str	1.508 (38.3)	0.625 (15.9)	1.241 (31.5)	3/16
SGB-250	4	250kcmil-6	1.810 (46.0)	0.750 (19.1)	1.703 (43.3)	3/16

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL 467 for grounding and bonding. UL File E34440
+ UL2703 Recognized E354420 Vol. 1
DE-OX® oxide inhibitor is recommended for all aluminum terminations
Patented

G

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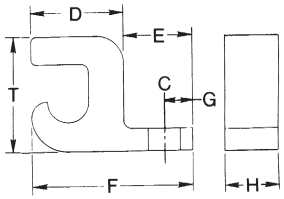
Dual Rated Lay-In Ground Lug

RoHS Compliant

TYPE
GBL

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Lay-in feature

Benefits
- Suitable for use with copper or aluminum conductors
- Provides low contact resistance
- Provides ease of installation



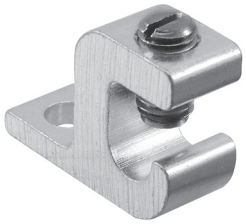


Fig. 1

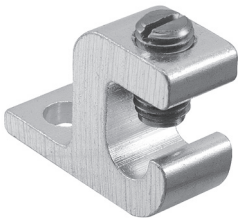


Fig. 2

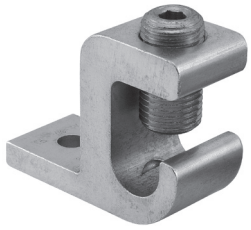


Fig. 3

Catalog Number	Figure Number	Ground Wire Range	Bolt Size	Dimensions							Hex Size
				C	D	E	F	G	H	T	
* GBL-4	1	4-14	10	7/32	5/8	31/64	1-3/32	13/64	25/64	51/64	Slot
+ ‡ GBL-4SS	2	4-14	10	7/32	5/8	31/64	1-3/32	13/64	25/64	51/64	Slot
GBL-1/0	2	1/0-14	1/4	9/32	51/64	27/32	1-5/8	7/16	5/8	1-5/32	Slot
GBL-250	3	250kcmil-6	1/4	9/32	31/64	1	2-3/16	29/64	7/8	1-23/32	7/32

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E34440
* UL 467 and UL 486A/B Listed
+ UL 467 Listed
‡ GBL-4SS is UL2703 Listed UL E354420 Vol. 2
+ Supplied with stainless steel hardware. Meets ASTM B117-09 and is resistant to outdoor salt spray
DE-OX® oxide inhibitor is recommended for all aluminum terminations
Optional MH Series mounting hardware kits available, consult ILSCO

G

Copper Lay-In Ground Lug
Direct Burial

RoHS Compliant

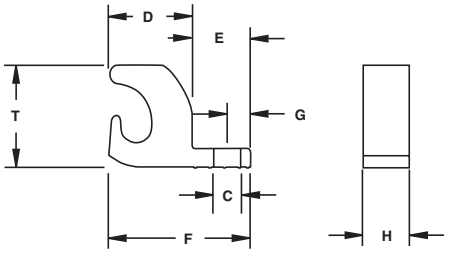
UL LISTED 667P

SA LR-29601

TYPE
CGBL

Features
- Lay-in feature
- Manufactured from high strength copper
- Stainless steel hardware
- Meets or exceeds NEC 680.7 requirements

Benefits
- Provides ease of installation of continuous loop grounding conductor
- Suitable for direct burial and for use with copper conductors
- Resists oxidation and corrosion in earth or concrete
- Pool equipment bonding in corrosive environments



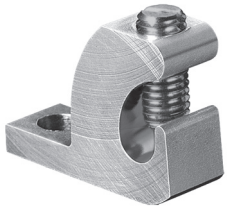


Fig. 1

Fig. 2

Catalog Number	Figure Number	Ground Wire Range	Bolt Size	Dimensions							Screw Type
				C	D	E	F	G	H	T	
GBL-4DB	1	4-14	10	.218	.680	.470	1.150	.190	.375	.825	Slot
GBL-4DB-14	1	4-14	1/4	.265	.680	.470	1.150	.210	.472	.825	Slot
*+ GBL-4DBT	1	4-14	10	.218	.680	.470	1.150	.190	.375	.825	Slot
* GBL-4DBT-14	1	4-14	1/4	.265	.680	.470	1.150	.210	.472	.825	Slot
*+ GBL-4DBTH	2	4-14	10	.218	.680	.470	1.150	.190	.375	.825	Hex
*GBL-4DBTH-14	2	4-14	1/4	.265	.680	.470	1.150	.210	.472	.825	Hex

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 467, UL File E34440
* T indicates tin plating
+ GBL-4DBT and GBL-4DBTH are UL2703 Listed UL E354420 Vol. 2
Optional MH Series mounting hardware kits available, consult ILSCO
680.7 Grounding and Bonding Terminals. Grounding and bonding terminals shall be identified for use in wet and corrosive environments. Field-installed grounding and bonding connections in a damp, wet or corrosive environment shall be composed of copper, copper alloy, or stainless steel. They shall be listed for direct burial use.

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ClearGround®
Intersystem Ground Tap

RoHS Compliant

UL LISTED 667P

SA LR-29601

TYPE
GBT

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Approved for UL 467 (Grounding & Bonding)
- Lay in style
- No mounting required
- 4 Taps (#2-14) stranded or solid
- Stainless steel screws
- Serrations in conductor wire way
- Patented

Benefits
- For use with copper and aluminum conductors
- Meets NEC 250.94 installation requirements.
- Eliminates the need to cut or splice into existing conductor
- Allows fast simple installation on ground conductor below meter
- For bonding multiple communication systems (Phone, TV, Cable, etc.)
- For corrosion resistance
- Cuts oxidation

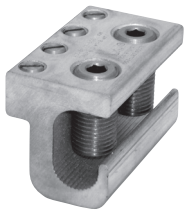


Fig. 1

Fig. 2

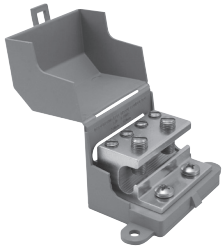


Fig. 3

Catalog Number	Figure Number	Wire Range Main	Wire Range Tap	Dimensions			Hex Size	
				L	W	H	Main	Tap
GBT-1/0	1	1/0-8	2-14str-sol	2.250	1.125	1.160	S	S
GBT-250	1	250kcmil-8str - 1/0-8sol	2-14str-sol	2.250	1.375	1.587	7/32	S
GBT-1/0-M	2	1/0-8	2-14str-sol	2.250	1.750	1.160	S	S
GBT-1/0-M-W/C	3	1/0-8	2-14str-sol	2.730	3.930	2.110	S	S

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

UL File E34440

G

Aluminum Grounding Connectors
Dual Rated

RoHS Compliant

TYPE
GRM
GRF

Features
- Manufactured from high strength 6061-T6 aluminum alloy
- Electro-tin plated
- Type GRM - Elongated steel stud
- Type GRF - Threaded female design

Benefits
- Suitable for use with either copper or aluminum conductors
- Provides low contact resistance
- Provides ease of grounding a single conductor to steel structures or to tap a single conductor from bus bar
- Provides ease of installation for a variety of standard stud sizes

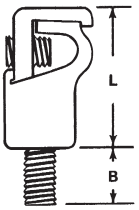
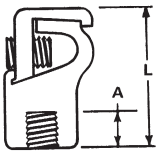


Fig. 1



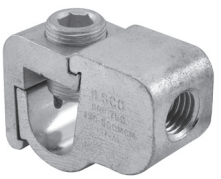


Fig. 2

Catalog Number	Figure Number	Wire Range Single Cable			Dia. Thread	Dimensions			Hex Size
		Max.	Min.	Steel Strand		A	B	L	
GRM-2A	1	2str	12sol/str	5/16	1/4"-20	-	11/16	1-1/4	Slot
GRM-2B	1	2str	12sol/str	5/16	5/16"-18	-	3/8	1-1/4	Slot
GRM-2C	1	2str	12sol/str	5/16	3/8"-16	-	9/16	1-1/4	Slot
GRM-0	1	1/0str	2str	3/8	1/2"-13	-	1	1-9/16	Slot
GRM-250A	1	250kcmil	1/0	9/16	1/2"-13	-	1	2-1/8	5/16
GRM-250B	1	250kcmil	1/0	9/16	5/8"-11	-	1	2-1/8	5/16
GRM-350	1	350kcmil	4/0	-	5/8"-11	-	1	2-1/2	3/8
GRM-500	1	500kcmil	350kcmil	-	3/4"-10	-	1-3/8	2-15/16	3/8
GRM-750	1	750kcmil	500kcmil	-	3/4"-10	-	1-3/8	3-3/8	1/2
GRF-2A	2	2str	12sol/str	5/16	1/4"-20	5/16	-	1-1/4	Slot
GRF-2B	2	2str	12sol/str	5/16	5/16"-18	3/8	-	1-1/4	Slot
GRF-2C	2	2str	12sol/str	5/16	3/8"-16	7/16	-	1-1/4	Slot
GRF-0	2	1/0str	2str	3/8	1/2"-13	1/2	-	1-9/16	Slot
GRF-250A	2	250kcmil	1/0	9/16	1/2"-13	1/2	-	2-1/8	5/16
GRF-250B	2	250kcmil	1/0	9/16	5/8"-11	3/4	-	2-1/8	5/16
GRF-350	2	350kcmil	4/0	-	5/8"-11	3/4	-	2-1/2	3/8
GRF-500	2	500kcmil	350kcmil	-	3/4"-10	7/8	-	2-15/16	3/8
GRF-750	2	750kcmil	500kcmil	-	3/4"-10	7/8	-	3-3/8	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX Inhibitor is recommended for all aluminum terminations.

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PermaGround™
Ground Clamp Connectors
Double Wire, One Bolt

LISTED 8M24

TYPE
GH
GHS

Features
- Manufactured from copper alloy
- Furnished with silicon bronze bolt, nut, and lock washer
- Mountable for surfaces up to 1/4" thick
- UL 467 Listed for grounding and bonding up to 250kcmil

Benefits
- Provides maximum conductivity
- For clamping conductors to flat surfaces
- Fits standard grounding bus bar and various flat plate metal surfaces
- Suitable for direct burial in earth or concrete
-

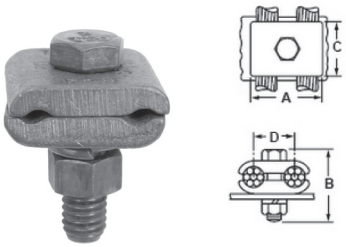

Fig. 1

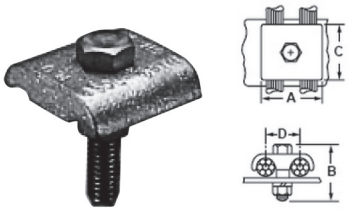

Fig. 2

Catalog Number	Figure Number	Wire Range	Dimensions				Bolt Size
			A	B	C	D	
GH-1*	1	4str-8sol	1.250 (31.8)	1.500 (38.1)	1.375 (34.9)	0.750 (19.1)	3/8
GH-2*	1	2/0str-4sol	1.500 (38.1)	2.000 (50.8)	1.625 (41.3)	1.000 (25.4)	3/8
GH-3*	1	250kcmil-2/0sol	2.000 (50.8)	2.250 (57.2)	1.750 (44.5)	1.250 (31.8)	1/2
GH-4	1	500kcmil-300kcmil	2.500 (63.5)	2.875 (73.0)	2.000 (50.8)	1.500 (38.1)	1/2
GH-5	1	750kcmil-500kcmil	3.250 (82.6)	3.375 (85.7)	2.375 (60.3)	1.750 (44.5)	5/8
GH-6	1	1000kcmil-750kcmil	3.625 (92.1)	3.750 (95.3)	2.500 (63.5)	2.000 (50.8)	5/8
GHS-1*	2	4str-8sol	1.250 (31.8)	1.375 (34.9)	1.375 (34.9)	0.750 (19.1)	3/8
GHS-2*	2	2/0str-4sol	1.500 (38.1)	1.500 (38.1)	1.625 (41.3)	1.000 (25.4)	3/8
GHS-3*	2	250kcmil-2/0sol	2.000 (50.8)	1.875 (47.6)	1.750 (44.5)	1.250 (31.8)	1/2
GHS-4	2	500kcmil-300kcmil	2.500 (63.5)	2.375 (60.3)	2.000 (50.8)	1.500 (38.1)	1/2
GHS-5	2	750kcmil-500kcmil	3.250 (82.6)	2.750 (69.9)	2.375 (60.3)	1.750 (44.5)	5/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*UL File E158587

G

PermaGround™
Ground Clamp Connectors
Double Wire, Two Bolts

LISTED 8M24

TYPE
GJ
GJS

Features
- Manufactured from copper alloy
- Furnished with silicon bronze bolt, nut, and lock washer
- Mountable for surfaces up to 1/4" thick
- UL 467 Listed for grounding and bonding up to 250kcmil

Benefits
- Provides maximum conductivity
- For clamping parallel conductors to flat surfaces
- Fits standard grounding bus bar and various
- flat plate metal surfaces
- Suitable for direct burial in earth or concrete

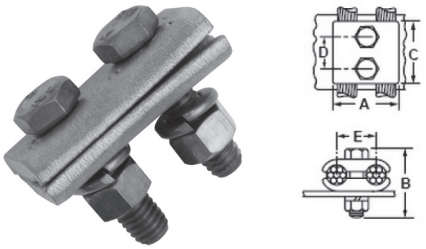

Fig. 1

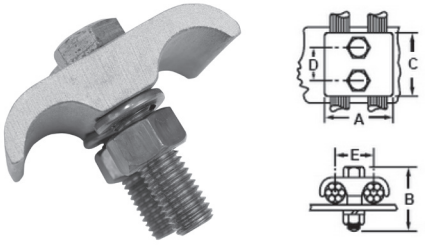

Fig. 2

Catalog Number	Figure Number	Wire Range	Dimensions - in. (mm)					Size
			A	B	C	D	E	
GJ-1*	1	4str-8sol	1.250 (31.8)	1.500 (38.1)	2.000 (50.8)	0.938 (23.8)	0.750 (19.1)	3/8
GJ-3*	1	250kcmil-2/0sol	2.000 (50.8)	2.250 (57.2)	2.500 (63.5)	1.313 (33.3)	1.313 (33.3)	1/2
GJS-6	2	1000kcmil-750kcmil	3.625 (92.1)	2.875 (73.0)	3.000 (76.2)	1.563 (39.7)	2.000 (50.8)	5/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*UL File E158587

G

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PermaGround™
Ground Clamp Connectors
Single Wire

LISTED 8M24

TYPE
GM
GMS
GWL

Features
- Manufactured from copper alloy
- Furnished with silicon bronze bolt, nut, and lock washer
- Mountable for surfaces up to 1/4" thick
- UL 467 Listed for grounding and bonding up to 250kcmil as well as UL 486 A/B

Benefits
- Provides maximum conductivity
- For clamping conductors to flat surfaces
- Fits standard grounding bus bar and various flat plate metal surfaces
- Suitable for direct burial in earth or concrete

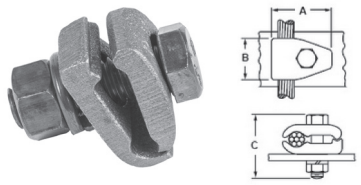


Fig. 1

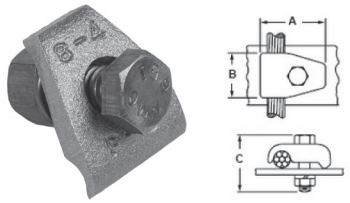


Fig. 2

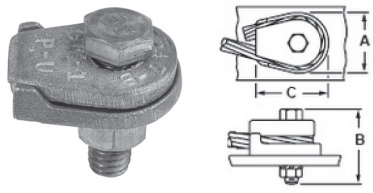


Fig. 3

Catalog Number	Figure Number	Wire Range	Dimensions - in. (mm)			Bolt Size
			A	B	C	
GM-1	1	4str-8sol	1.250 (31.8)	1.000 (25.4)	1.625 (41.3)	3/8
GM-2	1	2/0str-4sol	1.625 (41.3)	1.125 (28.6)	1.750 (44.5)	3/8
GM-3	1	250kcmil-2/0sol	2.125 (54.0)	1.500 (38.1)	2.000 (50.8)	1/2
GM-4*	1	500kcmil-300kcmil	2.375 (60.3)	1.625 (41.3)	2.500 (63.5)	1/2
GM-5*	1	750kcmil-500kcmil	3.000 (76.2)	1.750 (44.5)	3.000 (76.2)	5/8
GM-6*	1	1000kcmil-750kcmil	3.500 (88.9)	1.875 (47.6)	3.125 (79.4)	5/8
GMS-1	2	4str-8sol	1.250 (31.8)	1.000 (25.4)	1.625 (41.3)	3/8
GMS-2	2	2/0str-4sol	1.625 (41.3)	1.125 (28.6)	1.750 (44.5)	3/8
GMS-3	2	250kcmil-2/0sol	2.125 (54.0)	1.500 (38.1)	2.000 (50.8)	1/2
GMS-4*	2	500kcmil-300kcmil	2.375 (60.3)	1.625 (41.3)	2.500 (63.5)	1/2
GMS-5*	2	750kcmil-500kcmil	3.000 (76.2)	1.750 (44.5)	3.000 (76.2)	5/8
GMS-6*	2	1000kcmil-750kcmil	3.500 (88.9)	1.875 (47.6)	3.125 (79.4)	5/8
GWL-1	3	4str-8sol	1.125 (28.6)	1.500 (38.1)	1.375 (34.9)	3/8
GWL-2	3	4str-8sol	1.750 (44.5)	1.750 (44.5)	1.875 (47.6)	1/2
GWL-3	3	2/0str-3str	1.688 (42.9)	2.000 (50.8)	1.875 (47.6)	3/8
GWL-4	3	2/0str-3str	1.813 (46.0)	2.125 (54.0)	1.875 (47.6)	1/2
GWL-5	3	250kcmil-3/0str	2.250 (57.2)	2.250 (57.2)	2.375 (60.3)	3/8
GWL-6	3	250kcmil-3/0str	2.250 (57.2)	2.375 (60.3)	2.375 (60.3)	1/2
GWL-7	3	250kcmil-3/0str	2.250 (57.2)	2.500 (63.5)	2.375 (60.3)	5/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*UL File E158587

G

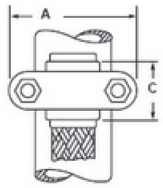
PermaGround™
Ground Clamp Connectors
Braid, Cable or Strip to Pipe

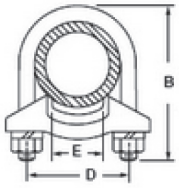
LISTED 8M24

TYPE
GO

Features
- Manufactured from copper alloy
- Furnished with silicon bronze U-bolt, nut, and lock washer
- UL 467 Listed for grounding and bonding

Benefits
- Provides maximum conductivity
- For clamping braid, cable or strip to a pipe
- Suitable for direct burial in earth or concrete
-





Catalog Number	Iron Pipe Size	Dimensions - in. (mm)					Hex Size
		A	B	C	D	E (Max Braid/Strip Width)	
GO-1	1	2.750 (69.9)	3.250 (82.6)	1.250 (31.8)	1.750 (44.5)	1.000 (25.4)	3/8
GO-2	1 1/4	3.000 (76.2)	3.500 (88.9)	1.375 (34.9)	2.063 (52.4)	1.000 (25.4)	3/8
GO-3	1 1/2	3.375 (85.7)	3.500 (88.9)	1.500 (38.1)	2.375 (60.3)	1.000 (25.4)	3/8
GO-4	1 1/2	3.375 (85.7)	3.500 (88.9)	1.500 (38.1)	2.375 (60.3)	1.500 (38.1)	3/8
GO-4A	1 1/2	3.375 (85.7)	3.500 (88.9)	1.500 (38.1)	2.375 (60.3)	2.000 (50.8)	1/2
GO-5	2	3.750 (95.3)	4.250 (108.0)	1.500 (38.1)	2.813 (71.4)	1.000 (25.4)	3/8
GO-6	2	3.750 (95.3)	4.250 (108.0)	1.500 (38.1)	2.813 (71.4)	1.500 (38.1)	3/8
GO-7	2	4.000 (101.6)	4.375 (111.1)	1.750 (44.5)	2.938 (74.6)	2.000 (50.8)	1/2
GO-8	2 1/2	4.500 (114.3)	5.000 (127.0)	1.875 (47.6)	3.438 (87.3)	2.000 (50.8)	1/2
GO-9	2 1/2	4.500 (114.3)	5.000 (127.0)	2.000 (50.8)	3.438 (87.3)	2.500 (63.5)	1/2
GO-10	3	5.250 (133.4)	6.250 (158.8)	2.000 (50.8)	4.063 (103.2)	2.000 (50.8)	1/2
GO-11	3	5.250 (133.4)	6.250 (158.8)	2.000 (50.8)	4.063 (103.2)	2.500 (63.5)	1/2
GO-12	3	5.250 (133.4)	6.250 (158.8)	2.000 (50.8)	4.063 (103.2)	3.000 (76.2)	1/2
GO-13	3 1/2	5.750 (146.1)	5.875 (149.2)	2.250 (57.2)	4.563 (115.9)	2.000 (50.8)	1/2
GO-14	3 1/2	5.750 (146.1)	5.875 (149.2)	2.250 (57.2)	4.563 (115.9)	2.500 (63.5)	1/2
GO-15	3 1/2	5.750 (146.1)	5.875 (149.2)	2.250 (57.2)	4.563 (115.9)	3.000 (76.2)	1/2
GO-16	4	6.250 (158.8)	6.500 (165.1)	2.250 (57.2)	5.063 (128.6)	2.000 (50.8)	1/2
GO-18	4	6.250 (158.8)	6.500 (165.1)	2.500 (63.5)	5.063 (128.6)	3.000 (76.2)	1/2
GO-19	4	6.250 (158.8)	6.500 (165.1)	2.750 (69.9)	5.063 (128.6)	3.500 (88.9)	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

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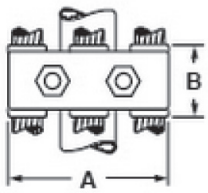
PermaGround™
Ground Clamp Connectors
Three Equal Size Cables to Pipe or Rod

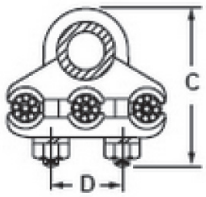
c UL us LISTED 8M24

TYPE
GR

Features
- Manufactured from copper alloy
- Furnished with silicon bronze U-bolt, nut, and lock washer
- Multi-functional body design
- UL 467 Listed for grounding and bonding up to 250kcmil

Benefits
- Provides maximum conductivity
- For clamping parallel cable or wires to pipe or rod in perpendicular orientation
- For clamping three equal size cables to a metal pipe, rod, or post
- Suitable for direct burial in earth or concrete





Catalog Number	Accommodates		Wire Range	Dimensions - in. (mm)				Hex Size
	Rod/Post	Iron Pipe Size		A	B	C	D	
GR-4	5/8 or 3/4	3/8	4str-8sol	2.750 (69.9)	1.500 (38.1)	2.500 (63.5)	1.125 (28.6)	3/8
GR-5	5/8 or 3/4	3/8	2/0str-4sol	3.000 (76.2)	1.500 (38.1)	2.750 (69.9)	1.125 (28.6)	3/8
GR-6	5/8 or 3/4	3/8	250kcmil-2/0sol	3.500 (88.9)	1.625 (41.3)	3.000 (76.2)	1.125 (28.6)	3/8
GR-7*	5/8 or 3/4	3/8	500kcmil-300kcmil	4.000 (101.6)	1.625 (41.3)	3.250 (82.6)	1.125 (28.6)	1/2
GR-9	7/8 or 1	1/2 or 3/4	2/0str-4sol	3.500 (88.9)	1.500 (38.1)	3.250 (82.6)	1.500 (38.1)	3/8
GR-10	7/8 or 1	1/2 or 3/4	250kcmil-2/0sol	3.875 (98.4)	1.625 (41.3)	3.375 (85.7)	1.500 (38.1)	1/2
GR-11*	7/8 or 1	1/2 or 3/4	500kcmil-300kcmil	4.375 (111.1)	1.625 (41.3)	3.500 (88.9)	1.500 (38.1)	1/2
GR-14	-	1	2/0str-4sol	3.625 (92.1)	1.500 (38.1)	3.250 (82.6)	1.750 (44.5)	3/8
GR-15	-	1	250kcmil-2/0sol	4.125 (104.8)	1.625 (41.3)	3.500 (88.9)	1.750 (44.5)	3/8
GR-16*	-	1	500kcmil-300kcmil	4.500 (114.3)	1.625 (41.3)	3.750 (95.3)	1.750 (44.5)	1/2
GR-20	-	1 1/4	2/0str-4sol	4.000 (101.6)	1.500 (38.1)	3.750 (95.3)	2.063 (52.4)	3/8
GR-21	-	1 1/4	250kcmil-2/0sol	4.500 (114.3)	1.625 (41.3)	3.875 (98.4)	2.063 (52.4)	3/8
GR-26	-	1 1/2	2/0str-4sol	4.250 (108.0)	1.500 (38.1)	4.000 (101.6)	2.375 (60.3)	3/8
GR-27	-	1 1/2	250kcmil-2/0sol	4.750 (120.7)	1.750 (44.5)	4.250 (108.0)	2.375 (60.3)	3/8
GR-31*	-	2	4str-8sol	4.375 (111.1)	1.500 (38.1)	4.250 (108.0)	2.813 (71.4)	3/8
GR-32*	-	2	2/0str-4sol	4.875 (123.8)	1.500 (38.1)	4.500 (114.3)	2.813 (71.4)	3/8
GR-33*	-	2	250kcmil-2/0sol	5.250 (133.4)	1.750 (44.5)	5.000 (127.0)	2.813 (71.4)	1/2
GR-38*	-	2 1/2	2/0str-4sol	5.375 (136.5)	1.500 (38.1)	5.000 (127.0)	3.313 (84.1)	3/8
GR-39*	-	2 1/2	250kcmil-2/0sol	5.875 (149.2)	1.750 (44.5)	5.250 (133.4)	3.313 (84.1)	1/2
GR-44*	-	3	2/0str-4sol	6.000 (152.4)	1.500 (38.1)	5.625 (142.9)	3.938 (100.0)	3/8
GR-45*	-	3	250kcmil-2/0sol	6.375 (161.9)	1.750 (44.5)	5.750 (146.1)	3.938 (100.0)	1/2
GR-50*	-	3 1/2	2/0str-4sol	6.375 (161.9)	1.500 (38.1)	5.875 (149.2)	4.438 (112.7)	1/2
GR-61*	-	4	2/0str-4sol	6.688 (169.9)	1.500 (38.1)	6.375 (161.9)	4.938 (125.4)	1/2
GR-62*	-	4	250kcmil-2/0sol	7.250 (184.2)	1.750 (44.5)	6.750 (171.5)	4.938 (125.4)	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*UL File E158587

G

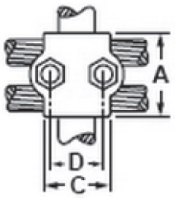
PermaGround™
Ground Clamp Connectors
Two Parallel Cables of Wires to Pipe or Rod

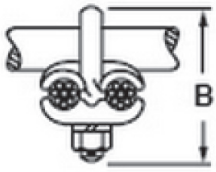
LISTED 8M24

TYPE
GT

Features
- Manufactured from copper alloy
- Furnished with silicon bronze nut, and lock washer
- UL 467 Listed for grounding and bonding up to 250kcmil

Benefits
- Provides maximum conductivity
- For clamping parallel cable and wires to pipe or rod in perpendicular orientation
- Suitable for direct burial in earth or concrete





Catalog Number	Accommodates		Wire Range	Dimensions - in. (mm)				Hex Size
	Rod/Post	Iron Pipe Size		A	B	C	D	
GT-1*	1/2	1/4	4str-8sol	1.625 (41.3)	2.000 (50.8)	1.625 (41.3)	1.000 (25.4)	3/8
GT-3*	1/2	1/4	250kcmil-2/0sol	2.500 (63.5)	2.250 (57.2)	1.875 (47.6)	1.000 (25.4)	3/8
GT-4*	5/8 or 3/4	3/8	4str-8sol	1.625 (41.3)	2.125 (54.0)	1.625 (41.3)	1.125 (28.6)	3/8
GT-5*	5/8 or 3/4	3/8	2/0str-4sol	2.000 (50.8)	2.500 (63.5)	1.750 (44.5)	1.125 (28.6)	3/8
GT-6*	5/8 or 3/4	3/8	250kcmil-2/0sol	2.500 (63.5)	2.625 (66.7)	1.875 (47.6)	1.125 (28.6)	3/8
GT-7	5/8 or 3/4	3/8	500kcmil-300kcmil	2.750 (69.9)	2.750 (69.9)	2.000 (50.8)	1.125 (28.6)	3/8
GT-8*	7/8 or 1	1/2 or 3/4	4str-8sol	1.625 (41.3)	2.500 (63.5)	1.625 (41.3)	1.500 (38.1)	3/8
GT-9*	7/8 or 1	1/2 or 3/4	2/0str-4sol	2.000 (50.8)	2.750 (69.9)	1.750 (44.5)	1.500 (38.1)	3/8
GT-10*	7/8 or 1	1/2 or 3/4	250kcmil-2/0sol	2.500 (63.5)	2.875 (73.0)	1.875 (47.6)	1.500 (38.1)	3/8
GT-13*	-	1	4str-8sol	1.625 (41.3)	2.750 (69.9)	1.625 (41.3)	1.750 (44.5)	3/8
GT-14*	-	1	2/0str-4sol	2.000 (50.8)	3.000 (76.2)	1.750 (44.5)	1.750 (44.5)	3/8
GT-15*	-	1	250kcmil-2/0sol	2.500 (63.5)	3.875 (98.4)	3.125 (79.4)	1.750 (44.5)	3/8
GT-18*	-	1 1/4	4str-8sol	1.625 (41.3)	3.000 (76.2)	1.875 (47.6)	2.063 (52.4)	3/8
GT-19*	-	1 1/4	2/0str-4sol	2.000 (50.8)	3.250 (82.6)	2.000 (50.8)	2.063 (52.4)	3/8
GT-20*	-	1 1/4	250kcmil-2/0sol	2.500 (63.5)	3.500 (88.9)	2.125 (54.0)	2.063 (52.4)	3/8
GT-25*	-	1 1/2	2/0str-4sol	2.000 (50.8)	3.500 (88.9)	2.375 (60.3)	2.375 (60.3)	3/8
GT-26*	-	1 1/2	250kcmil-2/0sol	2.500 (63.5)	3.875 (98.4)	2.500 (63.5)	2.375 (60.3)	3/8
GT-30*	-	2	4str-8sol	1.750 (44.5)	3.875 (98.4)	2.750 (69.9)	2.813 (71.4)	3/8
GT-31*	-	2	2/0str-4sol	2.000 (50.8)	4.125 (104.8)	2.875 (73.0)	2.813 (71.4)	3/8
GT-32*	-	2	250kcmil-2/0sol	2.625 (66.7)	4.250 (108.0)	3.000 (76.2)	2.813 (71.4)	3/8
GT-37*	-	2 1/2	2/0str-4sol	2.000 (50.8)	4.500 (114.3)	3.375 (85.7)	3.313 (84.1)	3/8
GT-38*	-	2 1/2	250kcmil-2/0sol	2.625 (66.7)	4.750 (120.7)	3.500 (88.9)	3.313 (84.1)	3/8
GT-43*	-	3	2/0str-4sol	2.000 (50.8)	5.250 (133.4)	3.750 (95.3)	3.938 (100.0)	3/8
GT-44*	-	3	250kcmil-2/0sol	2.625 (66.7)	5.500 (139.7)	3.750 (95.3)	3.938 (100.0)	3/8
GT-49*	-	3 1/2	2/0str-4sol	2.000 (50.8)	5.875 (149.2)	3.875 (98.4)	4.438 (112.7)	3/8
GT-50*	-	3 1/2	250kcmil-2/0sol	2.625 (66.7)	6.125 (155.6)	4.000 (101.6)	4.438 (112.7)	3/8
GT-55*	-	4	250kcmil-2/0sol	2.625 (66.7)	6.500 (165.1)	4.750 (120.7)	4.938 (125.4)	3/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*UL File E158587

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PermaGround™
Ground Clamp Connectors
Transformer Ground Clamps

TYPE
GSE
HGSE

Features
- Manufactured from copper alloy
- Supplied with steel nuts and lock washers
- Range taking
- HGSE parts provide parallel and perpendicular conductor connection
- HGSE parts provide a hex or square shoulder

Benefits
- Provides maximum conductivity
- For clamping conductors to flat surfaces, acts as a seal to a transformer tank
- Minimizes inventory
- Efficient installation and flexibility in the field
- Accommodates wrench for tightening

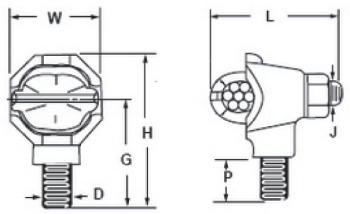


Fig. 1

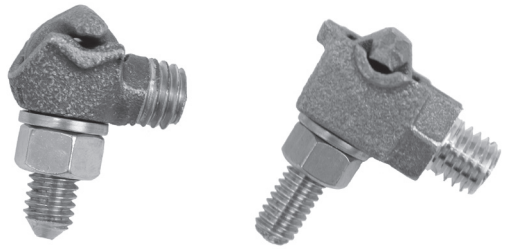


Fig. 2

Catalog Number	Figure Number	Wire Range	Dimensions - in. (mm)					Stud Size	Eye Bolt
			G	H	L	P	W	D	J
GSE-C1	1	1str-10sol	0.813 (20.64)	1.250 (31.75)	1.500 (38.10)	0.438 (11.11)	0.875 (22.23)	1/2-13	3/8-16
HGSE-C1*	2	1str-10sol	1.188 (30.16)	1.750 (44.45)	1.969 (50.01)	0.438 (11.11)	1.125 (28.58)	1/2-13	3/8-16
HGSE-020*	2	2/0str-8sol	1.313 (33.34)	1.938 (49.21)	2.000 (50.80)	0.438 (11.11)	1.250 (31.75)	1/2-13	3/8-16
HGSE-250*	2	250kcmil-6sol	1.188 (30.16)	2.125 (53.98)	2.625 (66.68)	0.469 (11.91)	1.875 (47.63)	1/2-13	1/2-13

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*Designates two-way basket

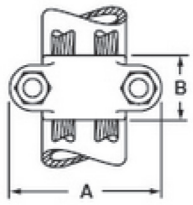
PermaGround™ Ground Clamp Connectors
Two Cables/One Looped Cable to Pipe
Pipe Range: 3/4"– 2"

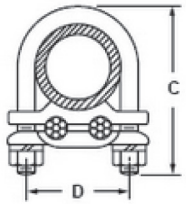
c UL us LISTED 8M24

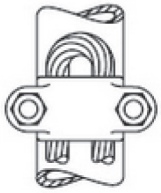
TYPE
GU

Features
- Manufactured from copper alloy
- For parallel copper conductor connections to pipes
- Silicon bronze hardware
- Specially designed spacer
- UL 467 Listed for grounding and bonding up to 250kcmil

Benefits
- Provides maximum conductivity
- Efficient installation and flexibility in the field
- Corrosion resistant for longevity
- Enables conductor alignment and positive contact
- Suitable for direct burial in earth or concrete







Catalog Number	Iron Pipe Size	Wire Range	Dimensions - in. (mm)				Bolt Size
			A	B	C	D	
GU-0*	3/4	4str-8sol	2.500 (63.5)	0.875 (22.2)	2.625 (66.7)	1.500 (38.1)	3/8
GU-1*	1	4str-8sol	2.750 (69.9)	1.125 (28.6)	3.000 (76.2)	1.750 (44.5)	3/8
GU-2*	1	2/0str-4sol	2.750 (69.9)	1.125 (28.6)	3.250 (82.6)	1.750 (44.5)	3/8
GU-3*	1	250kcmil-2/0sol	2.750 (69.9)	1.250 (31.8)	3.500 (88.9)	1.750 (44.5)	3/8
GU-4*	1 1/4	4str-8sol	3.000 (76.2)	1.125 (28.6)	3.250 (82.6)	2.063 (52.4)	3/8
GU-6*	1 1/4	250kcmil-2/0sol	3.000 (76.2)	1.375 (34.9)	3.750 (95.3)	2.063 (52.4)	3/8
GU-7*	1 1/2	4str-8sol	3.375 (85.7)	1.250 (31.8)	3.500 (88.9)	2.375 (60.3)	3/8
GU-8*	1 1/2	2/0str-4sol	3.375 (85.7)	1.375 (34.9)	3.625 (92.1)	2.375 (60.3)	3/8
GU-9*	1 1/2	250kcmil-2/0sol	3.375 (85.7)	1.500 (38.1)	3.750 (95.3)	2.375 (60.3)	3/8
GU-10*	2	4str-8sol	3.750 (95.3)	1.375 (34.9)	3.875 (98.4)	2.813 (71.4)	3/8
GU-11*	2	2/0str-4sol	3.750 (95.3)	1.375 (34.9)	4.125 (104.8)	2.813 (71.4)	3/8
GU-12*	2	250kcmil-2/0sol	3.750 (95.3)	1.375 (34.9)	4.250 (108.0)	2.813 (71.4)	3/8
GU-13	2	500kcmil-300kcmil	4.000 (101.6)	1.500 (38.1)	4.625 (117.5)	2.938 (74.6)	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*UL File E158587

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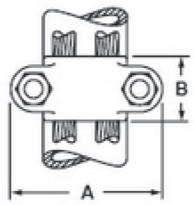
PermaGround™ Ground Clamp Connectors
Two Cables/One Looped Cable to Pipe
Pipe Range: 2-1/2"– 4"

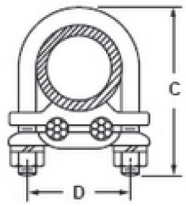
c UL us LISTED 8M24

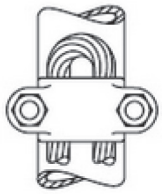
TYPE
GU

Features
- Manufactured from copper alloy
- For parallel copper conductor connections to pipes
- Silicon bronze hardware
- Specially designed spacer
- UL 467 Listed for grounding and bonding up to 250kcmil

Benefits
- Provides maximum conductivity
- Efficient installation and flexibility in the field
- Corrosion resistant for longevity
- Enables conductor alignment and positive contact
- Suitable for direct burial in earth or concrete







Catalog Number	Iron Pipe Size	Wire Range	Dimensions - in. (mm)				Bolt Size
			A	B	C	D	
GU-14*	2 1/2	4str-8sol	4.250 (108.0)	1.375 (34.9)	5.000 (127.0)	3.313 (84.1)	3/8
GU-15*	2 1/2	2/0str-4sol	4.250 (108.0)	1.375 (34.9)	5.125 (130.2)	3.313 (84.1)	3/8
GU-16*	2 1/2	250kcmil-2/0sol	4.250 (108.0)	1.375 (34.9)	5.250 (133.4)	3.313 (84.1)	3/8
GU-17	2 1/2	500kcmil-300kcmil	4.500 (114.3)	1.500 (38.1)	5.500 (139.7)	3.438 (87.3)	1/2
GU-19*	3	4str-8sol	5.000 (127.0)	1.375 (34.9)	5.250 (133.4)	3.938 (100.0)	3/8
GU-20*	3	2/0str-4sol	5.000 (127.0)	1.375 (34.9)	5.500 (139.7)	3.938 (100.0)	3/8
GU-21*	3	250kcmil-2/0sol	5.000 (127.0)	1.375 (34.9)	5.750 (146.1)	3.938 (100.0)	3/8
GU-22	3	500kcmil-300kcmil	5.250 (133.4)	1.500 (38.1)	6.000 (152.4)	4.063 (103.2)	1/2
GU-25*	3 1/2	4str-8sol	5.500 (139.7)	1.500 (38.1)	6.000 (152.4)	4.438 (112.7)	3/8
GU-26*	3 1/2	2/0str-4sol	5.500 (139.7)	1.500 (38.1)	6.125 (155.6)	4.438 (112.7)	3/8
GU-27*	3 1/2	250kcmil-2/0sol	5.500 (139.7)	1.500 (38.1)	6.250 (158.8)	4.438 (112.7)	3/8
GU-28	3 1/2	500kcmil-300kcmil	5.750 (146.1)	1.750 (44.5)	6.375 (161.9)	4.563 (115.9)	1/2
GU-31*	4	4str-8sol	6.000 (152.4)	1.500 (38.1)	6.500 (165.1)	4.938 (125.4)	3/8
GU-32*	4	2/0str-4sol	6.000 (152.4)	1.500 (38.1)	6.750 (171.5)	4.938 (125.4)	3/8
GU-33*	4	250kcmil-2/0sol	6.000 (152.4)	1.625 (41.3)	7.000 (177.8)	4.938 (125.4)	3/8
GU-34	4	500kcmil-300kcmil	6.250 (158.8)	1.625 (41.3)	7.250 (184.2)	5.063 (128.6)	1/2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*UL File E158587

G

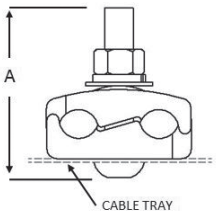
PermaGround™
Universal Ground Clamp Connector
Cable Tray / Parallel Clamp - One or Two Conductors, Rebar

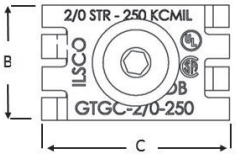
LR-29601 LISTED 667P

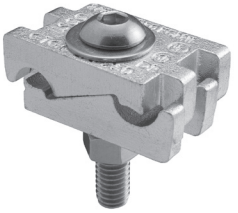
TYPE
GTGC

Features
- Manufactured from high strength copper alloy
- Tin plated for corrosion resistance
- Furnished with stainless steel bolt, nut, and lock washer
- Internal hex drive
- Accommodates multiple rebar sizes
- May be mounted to aluminum, galvanized steel, steel and copper
- UL 467 Listed for grounding and bonding
- Rated for direct burial in earth and concrete
- Accommodates one or two conductors
- For use in surface bonding and parallel connections

Benefits
- Provides maximum conductivity
- Easy installation
- Installation flexibility
- For clamping one or two conductors to a cable tray
- For use on lattice towers and other metal structures
- Suitable for use in Ufer Ground



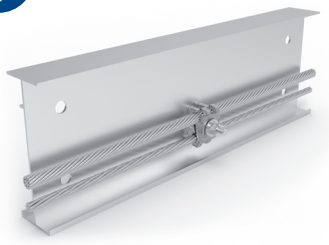




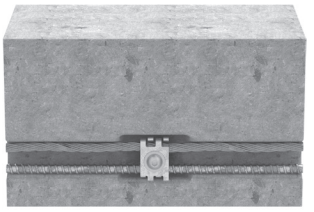
G

Catalog Number	Wire Range	Dimensions - in. (mm) G	P	W	Rebar Sizes	Internal Hex Sizes	Bolt Size
GTGC-6-1/0	1/0str-6sol	2.199 (55.9)	1.150 (29.2)	1.491 (37.9)	#3	7/32	3/8
GTGC-2-2/0	2/0str-2sol	2.199 (55.9)	1.150 (29.2)	1.734 (44.0)	#3-4	7/32	3/8
GTGC-2/0-250	250kcmil-2/0str	2.199 (55.9)	1.150 (29.2)	1.875 (47.6)	#3-5	7/32	3/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Note: Bolt head is mounted inside of wall of cable tray to avoid damaging the cable insulation
UL File E34440

WIRE TO SURFACE


WIRE TO WIRE

WIRE TO REBAR


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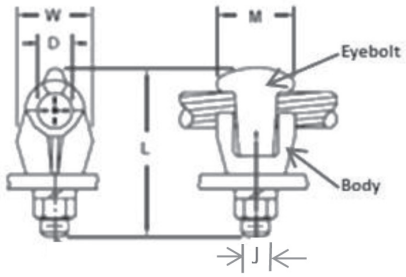
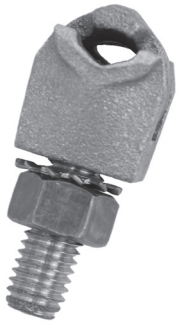
PermaGround™
Eye-Bolt Terminal

TYPE
LS
LSN

Features
- Body is manufactured from copper alloy
- Eye-bolts are made from an aluminum bronze alloy
- Available in two mounting surface thickness ranges

Benefits
- Provides maximum conductivity
- Offers maximum strength
- Mountable to flat studs or spades on equipment as well as grounding conductor to steel substation structures





Catalog Number	Wire Range	Dimensions - in. (mm)					Hex Size
		D	L	M	W	J	
LSN-2/0N*	2/0str-8sol	0.438 (11.1)	2.375 (60.3)	1.375 (34.9)	1.000 (25.4)	1/2	3/4
LSN-025N*	250kcmil-6sol	0.625 (15.9)	2.563 (65.1)	1.250 (31.8)	1.063 (27.0)	1/2	3/4
LSN-035N*	350kcmil-2sol	0.813 (20.6)	3.063 (77.8)	1.250 (31.8)	1.313 (33.3)	1/2	3/4
LS-C1E+	1str-10sol	0.344 (8.73)	2.375 (60.3)	1.063 (27.0)	0.875 (22.2)	3/8	9/16
LSN-025NE+	250kcmil-6sol	0.625 (15.88)	3.063 (77.8)	1.250 (31.8)	1.063 (27.0)	1/2	3/4
LSN-035NE+	350kcmil-2sol	0.813 (20.64)	3.313 (84.1)	1.250 (31.8)	1.313 (33.3)	1/2	3/4
LSN-100NE+	1000kcmil-2/0sol	1.250 (31.75)	4.500 (114.3)	1.719 (43.7)	1.688 (42.9)	1/2	3/4

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
"N" in prefix qualifies terminal for mounting on NEMA pads
"N" in suffix qualifies eye-bolt opening to NEMA
*Up to a 1/4" mounting surface
+1/4" to 3/4" mounting surface

G

Aluminum Neutral Bars
Dual Rated

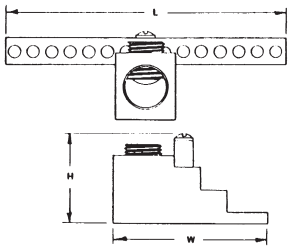
RoHS Compliant

LR-29601

TYPE
NB

Features
- Preassembled, stacked neutral bars
- Available with phenolic base
- Electro-tin plated
- Fabricated from high strength 6061-T6 aluminum alloy

Benefits
- Compact, space saving design offers multiple range taking flexibility and is suitable for grounding applications
- Provides insulation from mounting surface
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors



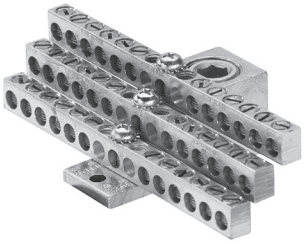


Fig. 1

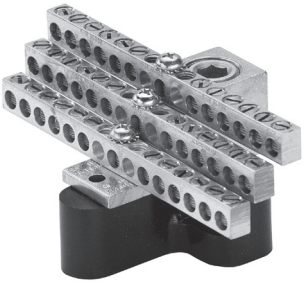


Fig. 2

G

Catalog Number	Figure Number	Number of Circuit Taps	Wire Range		Dimensions - in. (mm)			Two Tapped Mounting Holes	Hex Size	
			Circuit Taps	Line Loads	Approx. Height with Max. Wire	L	W		Main	Tap
NB-350-12	1	12	14-4	350kcmil-6	1-17/32	4-23/32	2-17/32	10-32	3/8	Slot
NB-350-12-W/R16*	2	12	14-4	350kcmil-6	2-17/32	4-23/32	2-17/32	10-32	3/8	Slot
NB-350-24	1	24	14-4	350kcmil-6	1-17/32	4-23/32	2-17/32	10-32	3/8	Slot
NB-350-24-W/R16*	2	24	14-4	350kcmil-6	2-17/32	4-23/32	2-17/32	10-32	3/8	Slot
NB-350-30	1	30	14-4	350kcmil-6	1-17/32	4-3/32	2-17/32	10-32	3/8	Slot
NB-350-30-W/R16*	2	30	14-4	350kcmil-6	2-17/32	4-3/32	2-17/32	10-32	3/8	Slot
NB-350-36	1	36	14-4	350kcmil-6	1-17/32	4-23/32	2-17/32	10-32	3/8	Slot
NB-350-36-W/R16*	2	36	14-4	350kcmil-6	2-17/32	4-23/32	2-17/32	10-32	3/8	Slot
NB-350-42	1	42	14-4	350kcmil-6	1-17/32	5-11/32	2-17/32	10-32	3/8	Slot
NB-350-42-W/R16*	2	42	14-4	350kcmil-6	2-17/32	5-11/32	2-17/32	10-32	3/8	Slot

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* Part includes phenolic mounting block R-16
Tested to UL 486A/B, UL File E6207

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Aluminum Neutral Bars
Dual Rated
Conductor Range: #4-#14

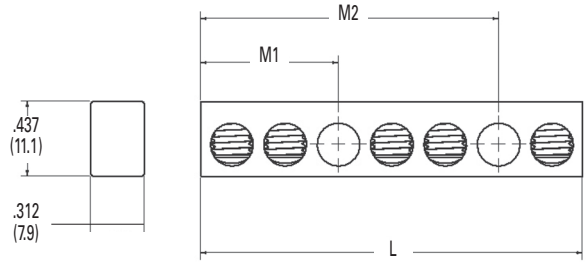
RoHS Compliant

LR-29601

TYPE
NBAS

Features
- Manufactured from high strength aluminum alloy
- Electro-tin plated
- Dual rated
- Assemblies available with 2-231 circuits
- UL Recognized for grounding and power, and CSA Certified

Benefits
- Provides maximum conductivity
- Low contact resistance
- Use with both copper and aluminum conductors
- Application versatility
- Ensures reliability



Catalog Number	Number of Circuits	Mounting Hole Locations[1] in. (mm) M1	Mounting Hole Locations[1] in. (mm) M2	Screw type	Configuration	Dimensions in. (mm) L
NBAS-002-1-A	2	0.492 (12.5)	– –	A	●○●	0.984 (25.0)
NBAS-002-1-B	2	0.492 (12.5)	– –	B	●○●	0.984 (25.0)
NBAS-003-1-A	3	0.804 (20.4)	– –	A	●●○●	1.296 (32.9)
NBAS-003-1-B	3	0.804 (20.4)	– –	B	●●○●	1.296 (32.9)
NBAS-004-1-B	4	0.804 (20.4)	– –	B	●●○●●	1.608 (40.8)
NBAS-004-2-B	4	0.180 (4.6)	1.740 (44.2)	B	○●●●○	1.920 (48.8)
NBAS-006-1-B	6	1.116 (28.3)	– –	B	●●●○●●●	2.232 (56.7)
NBAS-008-2-A	8	0.492 (12.5)	2.676 (68.0)	A	●○●●●●●○●	3.168 (80.5)
NBAS-009-2-A	9	0.180 (4.6)	3.300 (83.8)	A	○●●●●●●●○△	3.792 (96.3)
NBAS-010-1-B	10	2.052 (52.1)	– –	B	●●●●△○△●●●●	4.104 (104.2)
NBAS-012-1-B	12	2.364 (60.0)	– –	B	●●●●●△○△●●●●●	4.728 (120.1)
NBAS-012-2-A	12	1.116 (28.3)	3.300 (83.8)	A	●●●○●●●●●○●●●	4.416 (112.2)
NBAS-013-2-A	13	1.116 (28.3)	3.612 (91.7)	A	●●●○●●●●●●○●●●	4.728 (120.1)
NBAS-014-1-B	14	2.676 (60.0)	– –	B	●●●●●●△○△●●●●●●	5.354 (136.0)
NBAS-192-0-A*	192	– –	– –	A	● x 192	60.000 (1524.0)
NBAS-192-0-B	192	– –	– –	B	● x 192	60.000 (1524.0)
NBAS-231-0-A*	231	– –	– –	A	● x 231	72.000 (1828.8)
NBAS-231-0-B	231	– –	– –	B	● x 231	72.000 (1828.8)

[1] Mounting holes have a diameter of 0.203 in. (5.2mm)
All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* Screws are provided unassembled
Tested to UL 486A/B, UL File E6207 and CSA C22.2 No. 65-03
Tested to UL 467, UL File E6207

● Hole for conductor circuit
○ Hole for mounting screw
△ Unused hole

SCREWS

Type A Headed Slot Drive & Square Drive

Type B Headless Slot Drive

G

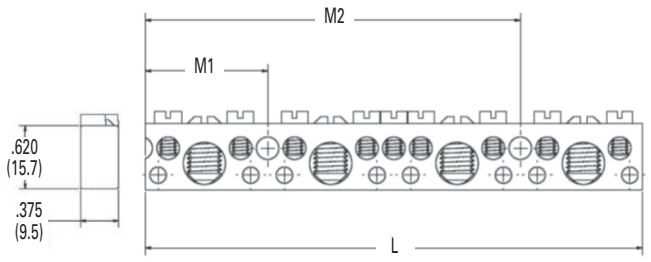
Aluminum Neutral Bars
Extended Conductors
Conductor Range: #6-#14 and 1/0-#14

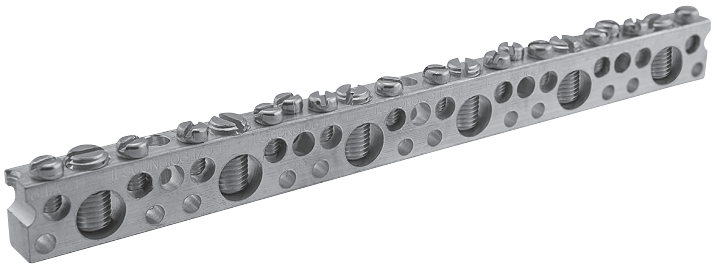
RoHS Compliant

TYPE
NBAE

Features
- Manufactured from high strength aluminum alloy
- Electro-tin plated
- Dual rated
- Assemblies available with 6-123 circuits
- UL Recognized for grounding and power, and CSA Certified

Benefits
- Provides maximum conductivity
- Low contact resistance
- Use with both copper and aluminum conductors
- Application versatility
- Ensures reliability





Catalog Number	Number of Large Circuits[1]	Number of Small Circuits[2]	Mounting Hole Locations[3] in. (mm)		Dimensions in. (mm)
			M1	M2	L
NBAE-0204-1	2	4	1.133 (28.8)	– –	2.265 (57.5)
NBAE-0307-1	3	7	2.305 (58.5)	– –	3.438 (87.3)
NBAE-0409-2	4	9	1.133 (28.8)	3.477 (88.3)	4.609 (117.1)
NBAE-0410-1	4	10	2.305 (58.5)	– –	4.609 (117.1)
NBAE-0512-2	5	12	2.305 (58.5)	4.648 (118.1)	5.781 (146.8)
NBAE-0615-2	6	15	3.477 (88.3)	5.821 (147.9)	6.954 (176.6)
NBAE-0924-2	9	24	2.305 (58.5)	9.336 (237.1)	10.468 (265.9)
NBAE-1233-2	12	33	5.820 (147.8)	8.164 (207.4)	13.986 (355.2)
NBAE-3192-0	31	92	– –	– –	36.250 (920.8)

SCREWS

Type A
Headless
Slot Drive

Type B
Headed
Slot Drive

[1] Large Circuits have a conductor range of 1/0-14AWG
[2] Small Circuits have a conductor range of 6-14AWG
[3] Mounting holes have a diameter of 0.203 in. (5.2mm)

Catalog Number	Configuration
NBAE-0204-1	★●★○★●★
NBAE-0307-1	★●★★★●★○★●★
NBAE-0409-2	★●★○★●★★★●★○★●★
NBAE-0410-1	★●★★★●★○★●★★★●★
NBAE-0512-2	★●★★★●★○★●★★★●★○★●★
NBAE-0615-2	★●★★★●★★★●★○★●★★★●★○★●★
NBAE-0924-2	★●★★★●★○★●★★★●★★★●★★★●★★★●★○★●★
NBAE-1233-2	★●★★★●★★★●★★★●★★★●★○★●★★★●★○★●★★★●★★★●★★★●★★★●★
NBAE-3192-0	★●★★★● ..... ★★★● x 28 ..... ★★★●★

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207 and CSA C22.2 No. 65-03
Tested to UL 467, UL File E6207

★ Hole for small circuit
● Hole for large circuit
○ Hole for mounting screw

G

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Copper Neutral Bars
Extended Conductors
Conductor Range: #6-#14 and 1/0-#14

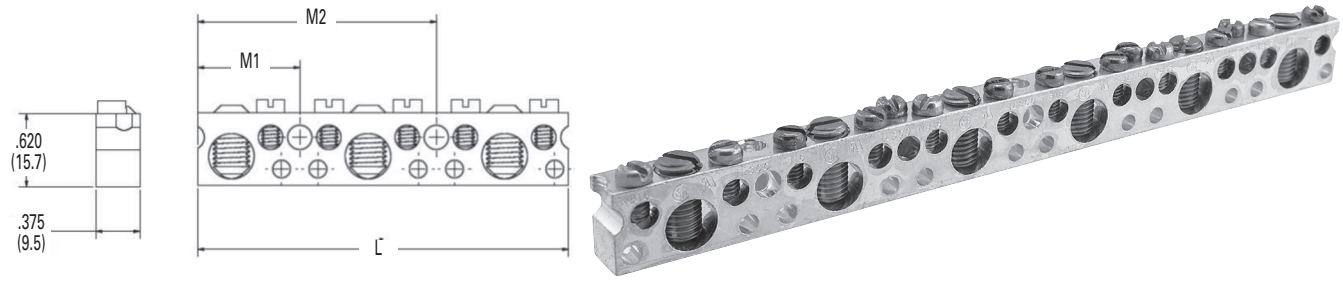
RoHS Compliant

LR-29601

TYPE
NBCE

Features
- Manufactured from high strength copper
- Electro-tin plated
- Assemblies available with 8-123 circuits
- UL Recognized for grounding and power, and CSA Certified

Benefits
- Provides maximum conductivity
- Low contact resistance
- Application versatility
- Ensures reliability



Catalog Number	Number of Large Circuits[1]	Number of Small Circuits[2]	Mounting Hole Locations[3] in. (mm)		Dimensions in. (mm)
			M1	M2	L
NBCE-0305-2	3	5	1.133 (28.8)	2.305 (58.5)	3.176 (80.7)
NBCE-0615-2	6	15	3.477 (88.3)	5.821 (147.9)	6.954 (176.6)
NBCE-1336-2	13	36	5.821 (147.9)	8.165 (207.4)	15.158 (385.0)
NBCE-3192-0	31	92	– –	– –	36.250 (920.8)

SCREWS

Type A Headless Slot Drive

Type B Headed Slot Drive

[1] Large Circuits have a conductor range of 1/0-14AWG
[2] Small Circuits have a conductor range of 6-14AWG
[3] Mounting holes have a diameter of 0.203 in. (5.2mm)

Catalog Number	Configuration
NBCE-0305-2	★●★○★●★○★●
NBCE-0615-2	★●★★★●★★★●★○★●★★★●★○★●★
NBCE-1336-2	★●★★★●★★★●★★★●★★★●★○★●★★★●★○★●★★★●★★★●★★★●★★★●★★★●★
NBCE-3192-0	★●★★★● ..... ★★★● x 28 ..... ★★★●★

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207 and CSA C22.2 No. 65-03
Tested to UL 467, UL File E6207

★ Hole for small circuit
● Hole for large circuit
○ Hole for mounting screw

G

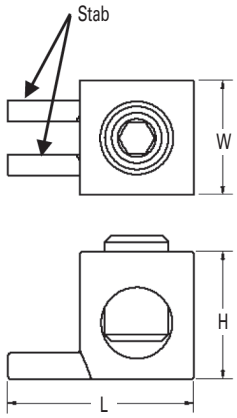
Neutral Bar Adapter

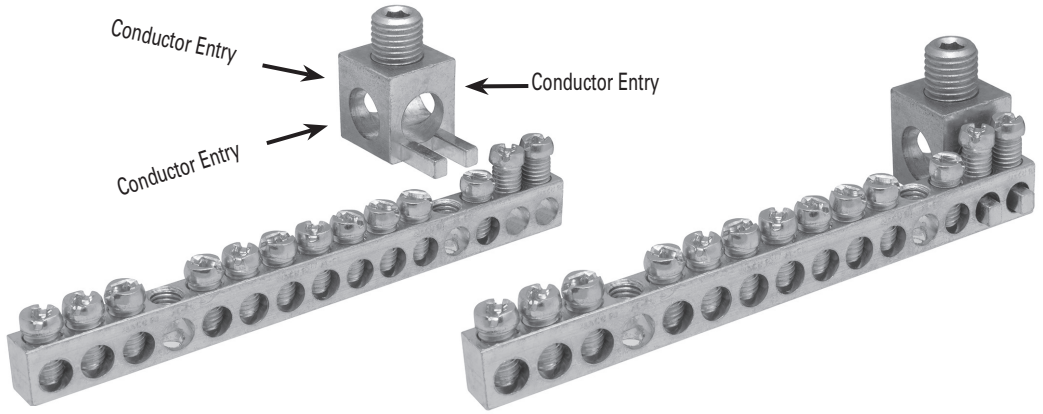
RoHS Compliant

TYPE
NBST

Features
- Connects a 2/0-14 conductor to a neutral bar
- Seamless stabs
- Conductor entry at 90˚ or parallel to neutral bar
- Mounts to solar nodes and neutral bars with hole spacing from .300" to .350"
- Hex socket screw included
- Manufactured from high strength aluminum
- Electro-tin plated
- UL 486 A/B and UL 467 Recognized, 90˚ C

Benefits
- Enables connection of a larger conductor for application versatility
- Provide dual current path for reliability and cool operation
- Multiple conductor orientation
- For diverse field applications
- Offers higher torque rating for reliability
- Suitable for use with copper or aluminum conductors
- Provides low contact resistance
- For power and grounding applications





G

Catalog Number	Wire Range	Dimensions - in. (mm)			Hex Size
		D	W	J	
NBST-2/0	2/0-14	1.140 (29.0)	0.700 (17.8)	0.780 (19.8)	3/16

UL Recognized for use with ILSCO	
Neutral Bars	**Solar Nodes**
NB-350	SCNL
NBAS	SCNM

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
DE-OX oxide inhibitor is recommended for all aluminum terminations

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Grounding Kits
Copper Bus Bars

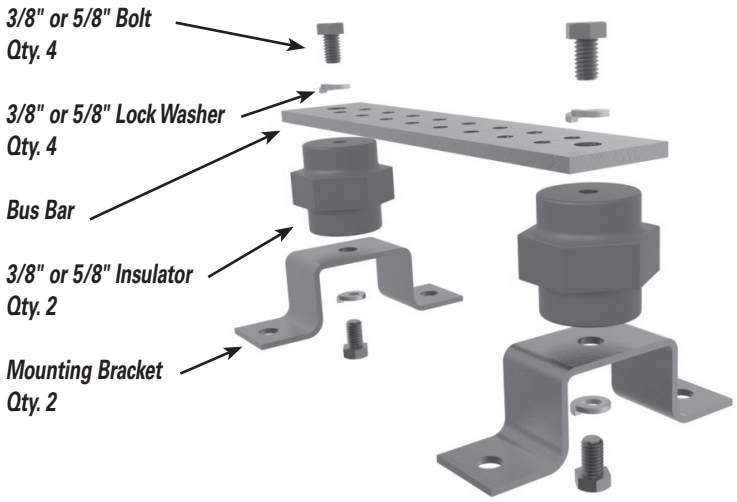
RoHS Compliant

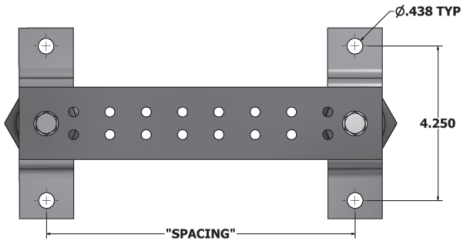
c UL us LISTED 39YP

TYPE
BBFC

Features
- Bars manufactured from copper
- Supplied with insulators, brackets & mounting hardware
- Stainless steel mounting bracket
- Large thread insulator mounting hardware
- Common bracket mounting

Benefits
- Ensures maximum conductivity and strength
- Out of box ready for installation. Lock washers prevent loosening of insulator bolts
- Corrosion resistance
- Ideal for heavy duty service
- Simplicity. Common pattern dimension fits all





Mounting Bracket Hole Pattern

G

Catalog Number	Insulator	Spacing	Dimensions		
			L	W	T
BBFC-2-10-16-KIT	(2) 2500V, 3/8	8.50	10.00	2.00	0.25
BBFC-2-24-36-KIT	(2) 2500V, 3/8	22.00	24.00	2.00	0.25
BBFC-4-10-22A-KIT	(2) 2500V, 3/8	8.50	10.00	4.00	0.25
BBFC-4-10-22B-KIT	(2) 2500V, 3/8	8.50	10.00	4.00	0.25
BBFC-4-12-KIT	(2) 2500V, 3/8	10.50	12.00	4.00	0.25
BBFC-4-12-18-KIT	(2) 2500V, 3/8	10.50	12.00	4.00	0.25
BBFC-4-12-24-KIT	(2) 2500V, 3/8	10.50	12.00	4.00	0.25
BBFC-4-16-24-KIT	(2) 3400V, 5/8	14.50	16.00	4.00	0.25
BBFC-4-16-32-KIT	(2) 2500V, 3/8	14.50	16.00	4.00	0.25
BBFC-4-20-KIT	(2) 3400V, 5/8	18.50	20.00	4.00	0.25
BBFC-4-20-18-KIT	(2) 3400V, 5/8	18.50	20.00	4.00	0.25
BBFC-4-20-68-KIT	(2) 3400V, 5/8	18.50	20.00	4.00	0.25
BBFC-4-24-KIT	(2) 2500V, 3/8	22.50	24.00	4.00	0.25
BBFC-4-24-36-KIT	(2) 2500V, 3/8	22.50	24.00	4.00	0.25

TYPE
BBFC

Features
- Manufactured from copper
- Industry standard
- Master grounding point
- Multiple connection points

Benefits
- Ensures maximum conductivity and strength
- Assemble & install
- Protects equipment from incoming surges
- Accommodates NEMA and conventional lug mountings. Eliminates miss-wiring which can lead to EMI immunity issues

Fig. 1

Fig. 2

Fig. 3

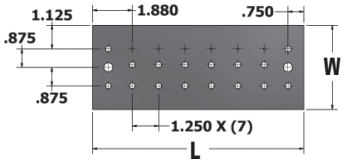


Fig. 4

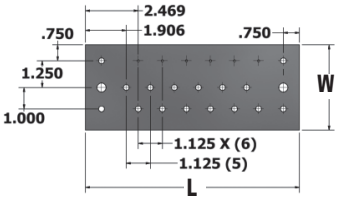


Fig. 5

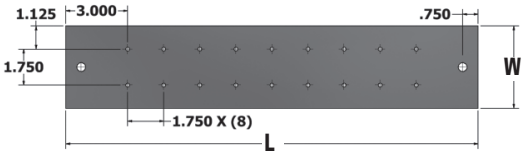


Fig. 6

G

Catalog Number	Figure Number	Insulator Mounting Size	Number of Mounting Points	Hole Size	Dimensions		
					L	W	T
BBFC-4-12	1	3/8	none	none	12.00	4.00	0.25
BBFC-4-20	2	5/8	none	none	20.00	4.00	0.25
BBFC-4-24	3	3/8	none	none	24.00	4.00	0.25
BBFC-4-10-22A	4	3/8	(6)	6-32 Threaded 0.281 Dia.	10.00	4.00	0.25
BBFC-4-10-22B	5	3/8	(6)	6-32 Threaded 0.281 Dia.	10.00	4.00	0.25
BBFC-4-20-18	6	5/8	(18)	1/4-20 Threaded	20.00	4.00	0.25

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TYPE
BBFC

Features
- Manufactured from copper
- Industry standard
- Master grounding point
- Multiple connection points

Benefits
- Ensures maximum conductivity and strength
- Assemble & install
- Protects equipment from incoming surges
- Accommodates NEMA and conventional lug mountings. Eliminates miss-wiring which can lead to EMI immunity issues

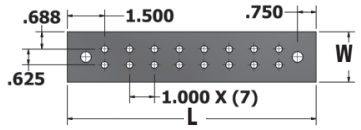

Fig. 1

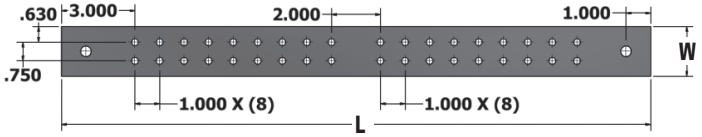

Fig. 2

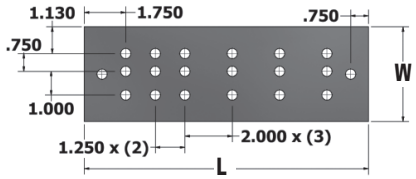

Fig. 3

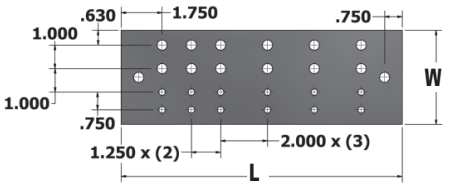

Fig. 4

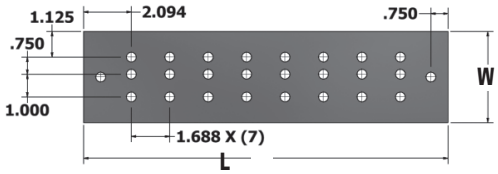

Fig. 5

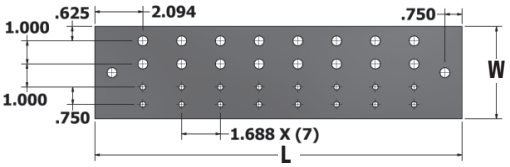

Fig. 6

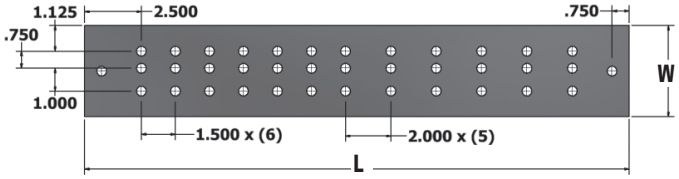

Fig. 7

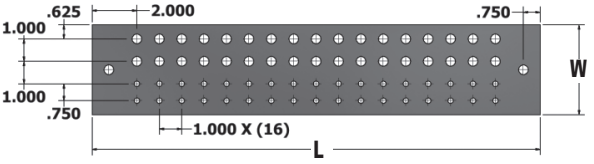

Fig. 8

Catalog Number	Figure Number	Insulator Mounting Size	Number of Mounting Points	Hole Size	Dimensions		
					L	W	T
BBFC-2-10-16	1	3/8	(16)	0.281 Dia.	10.00	2.00	0.25
BBFC-2-24-36	2	3/8	(36)	0.281 Dia.	24.00	2.00	0.25
BBFC-4-12-18	3	3/8	(18)	0.437 Dia.	12.00	4.00	0.25
BBFC-4-12-24	4	3/8	(12)	0.437 Dia. 0.281 Dia.	12.00	4.00	0.25
BBFC-4-16-24	5	5/8	(24)	0.437 Dia.	16.00	4.00	0.25
BBFC-4-16-32	6	3/8	(16)	0.437 Dia. 0.250 Dia.	16.00	4.00	0.25
BBFC-4-24-36	7	3/8	(36)	0.437 Dia.	24.00	4.00	0.25
BBFC-4-20-68	8	5/8	(34)	0.437 Dia. 0.250 Dia.	20.00	4.00	0.25

G

TYPE
BBFC

Features
- Manufactured from copper
- Industry standard
- Rack grounding point
- Multiple connection points

Benefits
- Ensures maximum conductivity and strength
- Assemble & install
- Optimal for telecommunication systems
- Accommodates NEMA and conventional lug mountings. Eliminates miss-wiring which can lead to EMI immunity issues

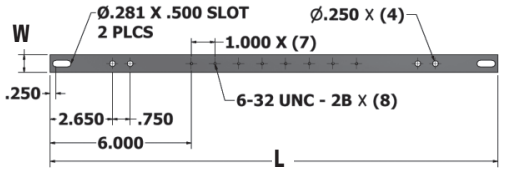

Fig. 1

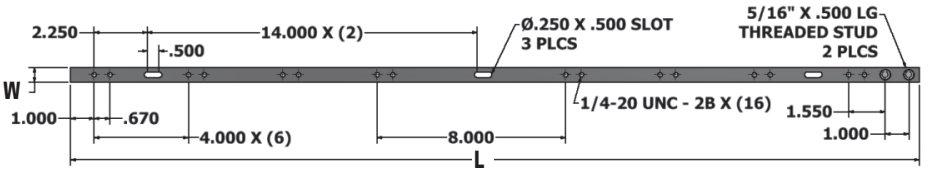

Fig. 2

G

Catalog Number	Figure Number	Dimensions		
		L	W	T
BBFC-34-19-12-316	1	19.00	0.75	0.187
BBFC-1-36-16	2	36.00	1.00	0.250
BBFC-58-36-16	2	36.00	0.63	0.250

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Aluminum T-Slot Bus Bar
Single Slot

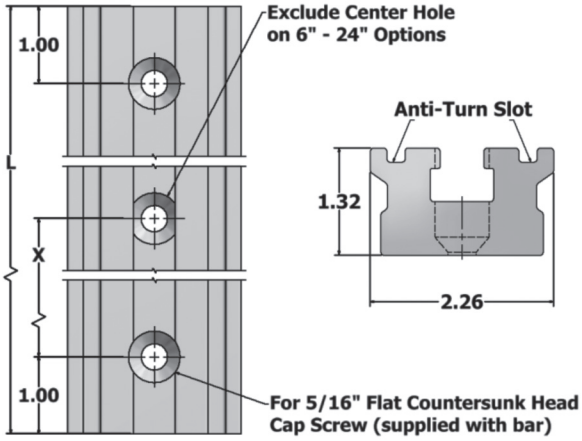
RoHS Compliant

c UL us LISTED 667P

TYPE
BBTA

Features
- T-slot accommodates hex, square & 1/4-turn bolt heads
- Slot available on full length of bar
- Upward pointing bolt threads
- Recessed insulator mounting hardware
- 1.6 kA continuous current rating
- Anti-turn slot designed to function with ATTA-2/0-12, ATTA-350-12, ATTA-600-12, ATTA-1000-12
- Manufactured from high strength aluminum alloy
- Electro-tin plated
- Supplied with countersunk cap screws
- Installation will not require current protective device up to 65 kA SCCR rating
- Patent 9,698,578

Benefits
- Prevents bolt rotation for one handed connector mounting
- Place connectors anywhere on the bar
- Eliminates potential for electrical arc underneath bar
- Use 100% of bar length for mounting connectors
- Eases certification efforts by using UL Recognized components
- Aligned connection for cross-wise and adjacent connector placement
- Suitable for use with copper or aluminum connectors
- Low contact resistance
- Bar mounting surface free of connection obstacles



Connector Mounting Hardware

Commercially Available*			
Bolt Type 1/2" Diameter Stainless Steel		**Bolt Length (in.)**	**For Use With**
HEX Bolt *ASME B18.2.1*		1.25 1.50 2.75	Compression/mechanical lugs Panel board lugs Stacked compression lugs
Square Bolt *ASME B18.2.1*		1.25 1.50 2.75	Compression/mechanical lugs Panel board lugs Stacked compression lugs

ILSCO Connector Mounting Hardware*

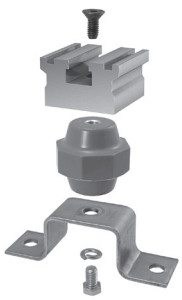
1/4 Turn Bolt		**Bolt Length (in.)**	**For Use With**
E1607C01Z E1607C02Z E1607C03Z		1.25 1.50 2.75	Compression/mechanical lugs Panel board lugs Stacked compression lugs

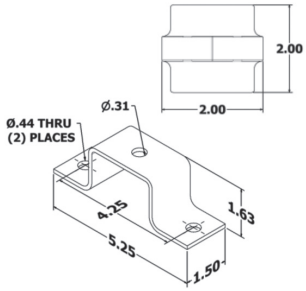
* Mounting hardware optional, not supplied with bus bar

G

Catalog Number	Number of Mounting Holes	Dimensions - in. (mm) L	X
BBTA-1T-1600-00600	2	6.00 (152.4)	– –
BBTA-1T-1600-01200	2	12.00 (304.8)	– –
BBTA-1T-1600-01800	2	18.00 (457.2)	– –
BBTA-1T-1600-02400	2	24.00 (609.6)	– –
BBTA-1T-1600-03000	3	30.00 (762.0)	14.00 (355.6)
BBTA-1T-1600-03600	3	36.00 (914.4)	17.00 (431.8)

Recognized to UL 67, UL File E485264, UL Listed to UL467, UL File E34440





Optional Insulator Mounting Kit

Kit Catalog Number	Voltage	Short Circuit Current Rating (SCCR)	For Use With
INS-516K	2,500 V	65 kA	(1) Mounting Bracket (1) 5/16-18 Insulator (1) Split Washer (1) 5/16-18 – 3/16 Flat Countersunk Head Cap Screw (1) 5/16-18 – 1/2 Hex Bolt

Aluminum T-Slot Bus Bar
Double Slot

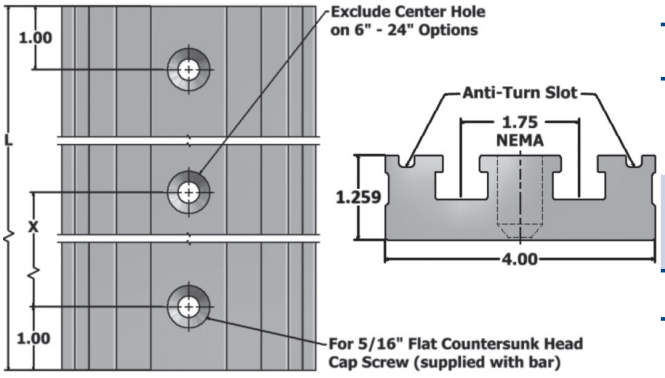
RoHS Compliant

c UL us LISTED 667P

TYPE
BBTA

Features
- T-slots accommodates hex, square & 1/4-turn bolt heads
- Slots available on full length of bar
- Upward pointing bolt threads
- Recessed insulator mounting hardware
- 3 kA continuous current rating
- Anti-turn slot designed to function with ATTA-2/0-12, ATTA-350-12, ATTA-600-12, ATTA-1000-12
- Double T-slot
- Manufactured from high strength aluminum alloy
- Electro-tin plated
- Supplied with countersunk cap screws
- Installation will not require current protective device up to 65 kA SCCR rating
- Patent 9,698,578

Benefits
- Prevents bolt rotation for one handed connector mounting
- Place connectors anywhere on the bar
- Eliminates potential for electrical arc underneath bar
- Use 100% of bar length for mounting connectors
- Eases certification efforts by using UL Recognized components
- Aligned connection for cross-wise and adjacent connector placement
- Enables 2x wire placement for greater connector density
- Suitable for use with copper or aluminum connectors
- Low contact resistance
- Bar mounting surface free of connection obstacles
- Installation will not require current protective device up to 65 kA SCCR rating



Connector Mounting Hardware

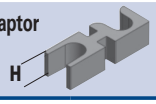
Commercially Available*			
Bolt Type 1/2" Diameter Stainless Steel		**Bolt Length (in.)**	**For Use With**
HEX Bolt *ASME B18.2.1*		1.25 1.50 2.75	Compression/mechanical lugs Panel board lugs Stacked compression lugs
Square Bolt *ASME B18.2.1*		1.25 1.50 2.75	Compression/mechanical lugs Panel board lugs Stacked compression lugs

ILSCO Connector Mounting Hardware*

1/4 Turn Bolt		**Bolt Length (in.)**	**For Use With**
E1607C01Z E1607C02Z E1607C03Z		1.25 1.50 2.75	Compression/mechanical lugs Panel board lugs Stacked compression lugs

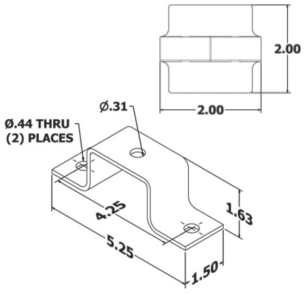
* Mounting hardware optional, not supplied with bus bar

Accessories

Catalog Number		**Height (H)**	**Description**
Stacking Adaptor ASL-250 ASL-750		0.75 1.25	Wire range - 250kcmil-1/0 Wire range - 750kcmil-1/0

Catalog Number	**Number of Mounting Holes**	**Dimensions - in. (mm)**	
		L	**X**
BBTA-2T-3000-00600	2	6.00 (152.4)	– –
BBTA-2T-3000-01200	2	12.00 (304.8)	– –
BBTA-2T-3000-01800	2	18.00 (457.2)	– –
BBTA-2T-3000-02400	2	24.00 (609.6)	– –
BBTA-2T-3000-03000	3	30.00 (762.0)	14.00 (355.6)
BBTA-2T-3000-03600	3	36.00 (914.4)	17.00 (431.8)

Recognized to UL 67, UL File E485264, UL Listed to UL467, UL File E34440



Optional Insulator Mounting Kit

Kit Catalog Number	**Voltage**	**Short Circuit Current Rating (SCCR)**	**For Use With**
INS-516K	2,500 V	65 kA	(1) Mounting Bracket (1) 5/16-18 Insulator (1) Split Washer (1) 5/16-18 – 3/16 Flat Countersunk Head Cap Screw (1) 5/16-18 – 1/2 Hex Bolt

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Copper T-Slot Bus Bar
Single Slot

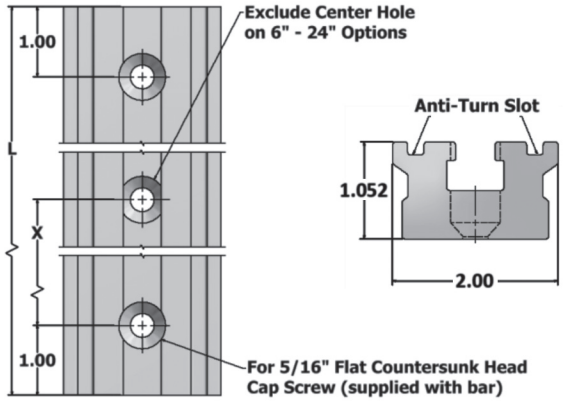
RoHS Compliant

c UL us LISTED 667P

TYPE
BBTC

Features
- T-slot accommodates hex, square & 1/4-turn bolt heads
- Slot available on full length of bar
- Upward pointing bolt threads
- Recessed insulator mounting hardware
- 1.6 kA continuous current rating
- Anti-turn slot designed to function with ATTA-2/0-12, ATTA-350-12, ATTA-600-12, ATTA-1000-12
- Manufactured from high strength copper alloy
- Electro-tin plated
- Supplied with countersunk cap screws
- Installation will not require current protective device up to 65 kA SCCR Rating
- Patent 9,698,578

Benefits
- Prevents bolt rotation for one handed connector mounting
- Place connectors anywhere on the bar
- Eliminates potential for electrical arc underneath bar
- Use 100% of bar length for mounting connectors
- Eases certification efforts by using UL Recognized components
- Aligned connection for cross-wise and adjacent connector placement
- Suitable for use with copper or aluminum connectors
- Low contact resistance
- Bar mounting surface free of connection obstacles



Connector Mounting Hardware

Commercially Available*			
Bolt Type 1/2" Diameter Stainless Steel		**Bolt Length (in.)**	**For Use With**
HEX Bolt *ASME B18.2.1*		1.25 1.50 2.75	Compression/mechanical lugs Panel board lugs Stacked compression lugs
Square Bolt *ASME B18.2.1*		1.25 1.50 2.75	Compression/mechanical lugs Panel board lugs Stacked compression lugs

ILSCO Connector Mounting Hardware*

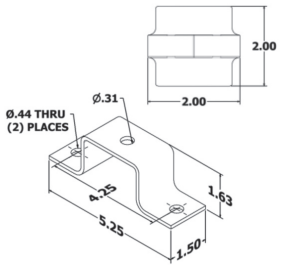
1/4 Turn Bolt		**Bolt Length (in.)**	**For Use With**
E1607C01Z E1607C02Z E1607C03Z		1.25 1.50 2.75	Compression/mechanical lugs Panel board lugs Stacked compression lugs

* Mounting hardware optional, not supplied with bus bar

G

Catalog Number	Number of Mounting Holes	Dimensions - in. (mm)	
		L	**X**
BBTC-1T-1600-00600	2	6.00 (152.4)	– –
BBTC-1T-1600-01200	2	12.00 (304.8)	– –
BBTC-1T-1600-01800	2	18.00 (457.2)	– –
BBTC-1T-1600-02400	2	24.00 (609.6)	– –
BBTC-1T-1600-03000	3	30.00 (762.0)	14.00 (355.6)
BBTC-1T-1600-03600	3	36.00 (914.4)	17.00 (431.8)
BBTC-1T-1600-04800	3	48.00 (1219.2)	23.00 (584.2)
BBTC-1T-1600-07200	0	72.00 (1828.8)	– –
BBTC-1T-1600-09600	0	96.00 (2438.4)	– –
BBTC-1T-1600-12000	0	120.00 (3048.4)	– –
BBTC-1T-1600-14400	0	144.00 (3657.6)	– –

Recognized to UL 67, UL File E485264, UL Listed to UL467, UL File E34440



Optional Insulator Mounting Kit

Kit Catalog Number	Voltage	Short Circuit Current Rating (SCCR)	For Use With
INS-516K	2,500 V	65 kA	(1) Mounting Bracket (1) 5/16-18 Insulator (1) Split Washer (1) 5/16-18 – 3/16 Flat Countersunk Head Cap Screw (1) 5/16-18 – 1/2 Hex Bolt

Copper T-Slot Bus Bar
Double Slot

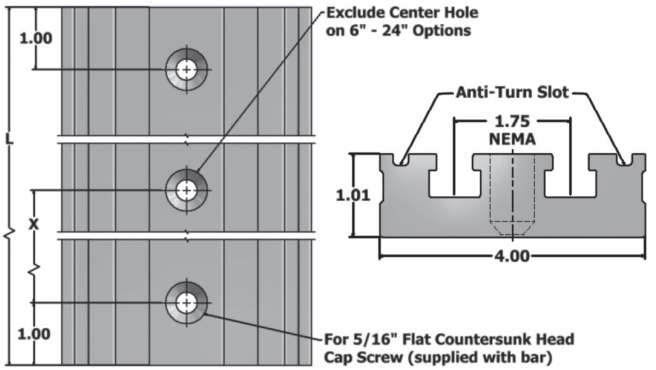
RoHS Compliant

c UL us LISTED 667P

TYPE
BBTC

Features
- T-slots accommodates hex, square & 1/4-turn bolt heads
- Slots available on full length of bar
- Upward pointing bolt threads
- Recessed insulator mounting hardware
- 3 kA continuous current rating
- Anti-turn slot designed to function with ATTA-2/0-12, ATTA-350-12, ATTA-600-12, ATTA-1000-12
- Double T-slot
- Manufactured from high strength copper alloy
- Electro-tin plated
- Supplied with countersunk cap screws
- Installation will not require current protective device up to 65 kA SCCR Rating
- Patent 9,698,578

Benefits
- Prevents bolt rotation for one handed connector mounting
- Place connectors anywhere on the bar
- Eliminates potential for electrical arc underneath bar
- Use 100% of bar length for mounting connectors
- Eases certification efforts by using UL Recognized components
- Aligned connection for cross-wise and adjacent connector placement
- Enables 2x wire placement for greater connector density
- Suitable for use with copper or aluminum connectors
- Low contact resistance
- Bar mounting surface free of connection obstacles



Connector Mounting Hardware

Commercially Available*

Bolt Type 1/2" Diameter Stainless Steel	Bolt Length (in.)	For Use With
HEX Bolt *ASME B18.2.1*	1.25 1.50 2.75	Compression/mechanical lugs Panel board lugs Stacked compression lugs
Square Bolt *ASME B18.2.1*	1.25 1.50 2.75	Compression/mechanical lugs Panel board lugs Stacked compression lugs

ILSCO Connector Mounting Hardware*

1/4 Turn Bolt	Bolt Length (in.)	For Use With
E1607C01Z E1607C02Z E1607C03Z	1.25 1.50 2.75	Compression/mechanical lugs Panel board lugs Stacked compression lugs

* Mounting hardware optional, not supplied with bus bar

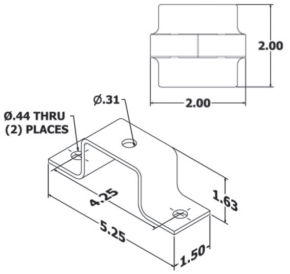
G

Accessories

Catalog Number	Height (H)	Description
Stacking Adaptor ASL-250 ASL-750	0.75 1.25	Wire range - 250kcmil-1/0 Wire range - 750kcmil-1/0

Catalog Number	Number of Mounting Holes	Dimensions - in. (mm) L	X
BBTC-2T-3000-00600	2	6.000 (152.4)	– –
BBTC-2T-3000-01200	2	12.00 (304.8)	– –
BBTC-2T-3000-01800	2	18.00 (457.2)	– –
BBTC-2T-3000-02400	2	24.00 (609.6)	– –
BBTC-2T-3000-03000	3	30.00 (762.0)	14.00 (355.6)
BBTC-2T-3000-03600	3	36.00 (914.4)	17.00 (431.8)
BBTC-2T-3000-04800	3	48.00 (1219.2)	23.00 (584.2)
BBTC-2T-3000-07200	0	72.00 (1828.8)	– –
BBTC-2T-3000-09600	0	96.00 (2438.4)	– –
BBTC-2T-3000-12000	0	120.00 (3048.4)	– –
BBTC-2T-3000-14400	0	144.00 (3657.6)	– –

Recognized to UL 67, UL File E485264, UL Listed to UL467, UL File E34440



Optional Insulator Mounting Kit

Kit Catalog Number	Voltage	Short Circuit Current Rating (SCCR)	For Use With
INS-516K	2,500 V	65 kA	(1) Mounting Bracket (1) 5/16-18 Insulator (1) Split Washer (1) 5/16-18 – 3/16 Flat Countersunk Head Cap Screw (1) 5/16-18 – 1/2 Hex Bolt

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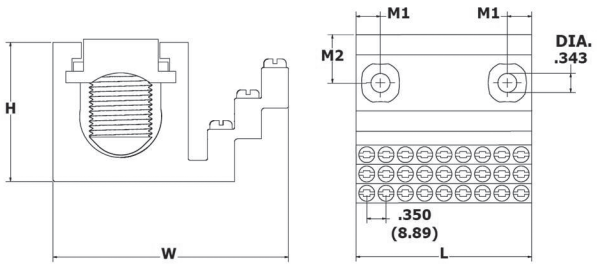
Solar Combiner Node
Lay-In

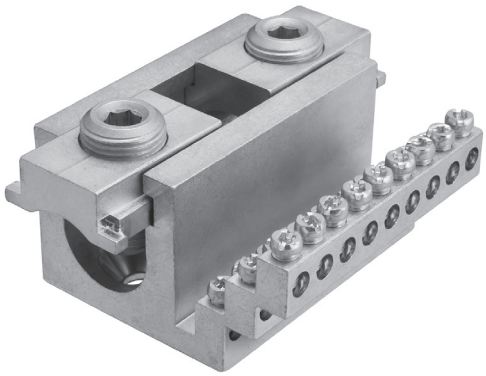
RoHS Compliant

TYPE
SCNL

Features
- Manufactured from high strength aluminum alloy
- Configuration - 27 inputs and 1 output
- Conductor Input: 4-14
- Conductor Output: 750kcmil-1/0
- Designed for insulators up to 2000V
- For unfused PV source inputs up to 420A CU, 340A AL

Benefits
- Provide maximum conductivity and strength for copper and aluminum conductors
- Application versatility
- Input accepts Class B and C conductors
- Output accepts Class B and C conductors
- Mounting hardware fits variety of commerical insulators





Catalog Number	Primary				Secondary			Dimensions - in. (mm)				
	Wire Range	Wires Per Hole	Number of Circuits	Screw Type	Wire Range	Number of Circuits	Hex Size	W	H	L	M1	M2
SCNL-27	4-14 10-14+	1 2	27 54	Slot/SQ	750kcmil-1/0	1	5/16	3.050 (77.5)	1.800 (45.7)	3.186 (80.9)	0.443 (11.3)	0.875 (22.2)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Two 5/16 dia, 5/16 depth flat-head screws are included for mounting. Insulators sold separately, consult factory for ordering information.
UL/cUL Recognized to UL486A/B, UL File E6207
+ See Information Sheet for other UL approved two wire combinations.

G

Solar Combiner Node

RoHS Compliant

TYPE
SCNM

Features
- Manufactured from high strength aluminum alloy
- Configuration - 18 to 42 string inputs; 4 outputs
- Conductor Input: 4-14
- Conductor Output: 1000kcmil–6
- Designed for insulators up to 2000V

Benefits
- Provides maximum conductivity and strength for copper and aluminum conductors
- Application versatility
- Input accepts Class B and C conductors
- Output accepts Class B, C, G, H, I, K, M and DLO conductors
- Mounting hardware fits variety of commerical insulators

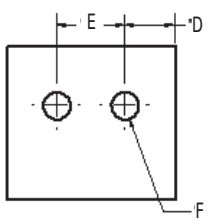


Fig. 1

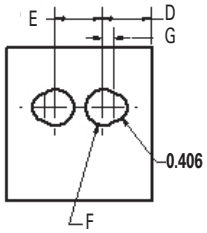


Fig. 2

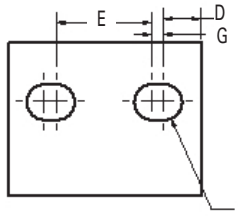


Fig. 3

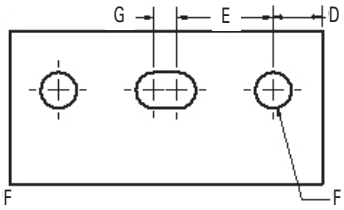


Fig. 4

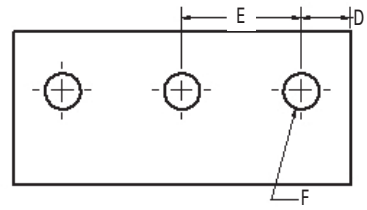
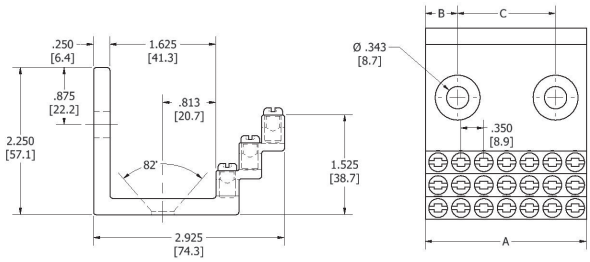
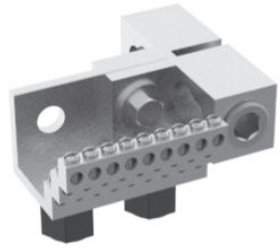
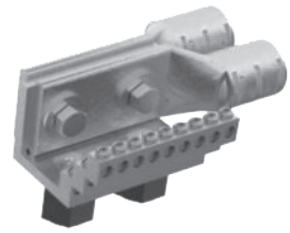


Fig. 5

Lug Mount Configurations (See Figure Number above)




Typical Mechanical Lug Mount


Typical Compression Lug Mount

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Catalog Number	Lug Mount Figure Number	PV Source Input**	String Input		Output		Dimensions - in. (mm)						
			No. of Strings	Wire Range	No. of Circuits	Wire Range	A	B	C	D	E	F	G
SCNM-18	2	540	18	4-14	1-4	1000kcmil-6	2.136 (54.25)	0.443 (11.25)	1.250 (31.75)	0.718 (18.24)	0.700 (17.78)	0.531 (13.49)	0.150 (3.81)
SCNM-21	1	630	21	4-14	1-4	1000kcmil-6	2.468 (62.69)	0.493 (12.52)	1.500 (38.10)	0.734 (18.64)	1.000 (25.40)	0.406 (10.31)	
SCNM-24	3	720	24	4-14	1-4*	1000kcmil-6	2.836 (72.03)	0.543 (13.79)	1.750 (44.45)	0.543 (13.79)	1.400 (35.56)	0.531 (13.49)	0.175 (4.45)
SCNM-27	1	810	27	4-14	1-4*	1000kcmil-6	3.186 (80.92)	0.593 (15.06)	2.000 (50.80)	0.718 (18.24)	1.750 (44.45)	0.531 (13.49)	
SCNM-30	3	900	30	4-14	1-4*	1000kcmil-6	3.536 (89.81)	0.518 (13.16)	2.500 (63.50)	0.718 (18.24)	1.750 (44.45)	0.531 (13.49)	0.175 (4.45)
SCNM-33	3	990	33	4-14	1-4*	1000kcmil-6	3.886 (98.70)	0.443 (11.25)	3.000 (76.20)	0.718 (18.24)	1.750 (44.45)	0.531 (13.49)	0.350 (8.89)
SCNM-36	3	1080	36	4-14	1-4*	1000kcmil-6	4.236 (107.59)	0.618 (15.70)	3.000 (76.20)	0.718 (18.24)	1.750 (44.45)	0.531 (13.49)	0.525 (13.34)
SCNM-39	4	1170	39	4-14	1-4*	1000kcmil-6	4.586 (116.48)	0.793 (20.14)	3.000 (76.20)	0.718 (18.24)	1.400 (35.56)	0.531 (13.49)	0.350 (8.89)
SCNM-42	5	1260	42	4-14	1-4*	1000kcmil-6	4.936 (125.37)	0.968 (24.59)	3.000 (76.20)	0.718 (18.24)	1.750 (44.45)	0.531 (13.49)	

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
**For non-fused PV string inputs, 30A per string
Each input hole contains a 1/4 – 28 UNF; slotted/square drive screw
Two 5/16-18 UNC x 1/2 screws are included for mounting to insulators (insulators sold separately, consult Customer Care for information)
*For use with mechanical or compression components; sold separately. NEMA mounting hole configurations
UL/cUL Recognized to UL486A/B, UL File E6207

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Surface Bonding Washer

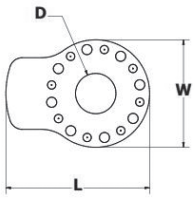
RoHS Compliant

c UL us LISTED

TYPE
SBW

Features
- Manufactured from stainless steel
- Exclusive Viritium™ plating
- Green color, universal to identify ground
- Conical contact points

Benefits
- Maximum durability in outdoor environments
- Resists galvanic corrosion
- Aids visual inspection
- Penetrates mounting surface, no surface preparation



Catalog Number	Bolt Size*	Dimensions - in. (mm)		
		D	L	W
SBW-14	1/4 (M6)	0.281 (7.1)	1.000 (25.4)	0.750 (19.1)
SBW-516	5/16 (M8)	0.343 (8.7)	1.000 (25.4)	0.750 (19.1)
SBW-38	3/8 (M10)	0.406 (10.3)	1.000 (25.4)	0.750 (19.1)

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UL 467 Listed for grounding and bonding, UL File E34440
UL 2703 Recognized, UL File E354420
* Bolt not included

Surface Bonding Clip

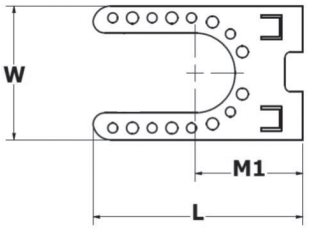
RoHS Compliant

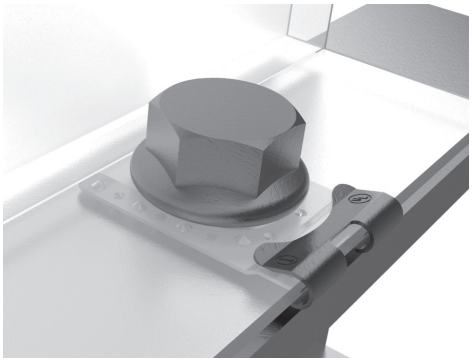
c UL us LISTED

TYPE
SBC

Features
- Manufactured from stainless steel
- Exclusive Viritium™ plating
- Green color, universal to identify ground
- Conical contact points
- Clips to PV panels

Benefits
- Maximum durability in outdoor environments
- Resists galvanic corrosion
- Aids visual inspection
- Penetrates mounting surface, no surface preparation
- Enables pre-installation onto a PV panel or inserted during PV panel-to-rack attachment





Catalog Number	Bolt Size*	Dimensions - in. (mm)			
		Mounting Clip Thickness	L	W	M1 (minimum)
SBC-14	1/4 (M6)	0.050-0.075 (1.3-1.9)	1.066 (27.1)	0.687 (17.4)	0.456 (11.6)
SBC-516	5/16 (M8)	0.050-0.075 (1.3-1.9)	1.066 (27.1)	0.687 (17.4)	0.487 (12.4)
SBC-38	3/8 (M10)	0.050-0.075 (1.3-1.9)	1.066 (27.1)	0.687 (17.4)	0.518 (13.2)

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UL 467 Listed for grounding and bonding, UL File E34440
UL 2703 Recognized, UL File E354420
* Bolt not included

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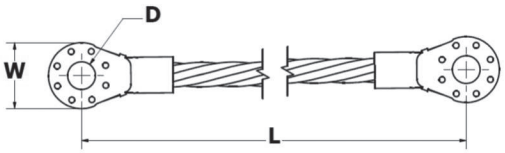
Surface Bonding Jumper

C UL US LISTED 667P

TYPE
SBJ

Features
- Cable and ring terminals manufactured from high strength copper alloy
- Bonding washer made from Viritium® plated
- stainless steel
- Green color, universal to identify ground
- Complete jumper assembly

Benefits
- Provides maximum electrical conductivity
- Maximum durability in outdoor environments, resists galvanic corrosion
- Aids visual inspection
- Quick and easy installation, no surface preparation



Catalog Number*	Wire Size	Dimensions - in. (mm)	
		L	W
SBJ-X-6	6AWG	6.000 (152.4)	0.670 (17.0)
SBJ-X-712	6AWG	7.500 (190.5)	0.670 (17.0)
SBJ-X-9	6AWG	9.000 (228.6)	0.670 (17.0)
SBJ-X-1012	6AWG	10.500 (266.7)	0.670 (17.0)
SBJ-X-12	6AWG	12.000 (304.8)	0.670 (17.0)
SBJ-X-15	6AWG	15.000 (381.0)	0.670 (17.0)
SBJ-X-18	6AWG	18.000 (457.2)	0.670 (17.0)
SBJ-X-21	6AWG	21.000 (533.4)	0.670 (17.0)
SBJ-X-24	6AWG	24.000 (609.6)	0.670 (17.0)
SBJ-X-28	6AWG	28.000 (711.2)	0.670 (17.0)
SBJ-X-32	6AWG	32.000 (812.8)	0.670 (17.0)
SBJ-X-36	6AWG	36.000 (914.4)	0.670 (17.0)
SBJ-X-40	6AWG	40.000 (1016.0)	0.670 (17.0)
SBJ-X-44	6AWG	44.000 (1117.6)	0.670 (17.0)
SBJ-X-48	6AWG	48.000 (1219.2)	0.670 (17.0)
SBJ-X-54	6AWG	54.000 (1371.6)	0.670 (17.0)
SBJ-X-60	6AWG	60.000 (1524.0)	0.670 (17.0)
SBJ-X-66	6AWG	66.000 (1676.4)	0.670 (17.0)
SBJ-X-72	6AWG	72.000 (1828.8)	0.670 (17.0)

*X = Bolt Size

X Value	D - in. (mm)	Bolt Size
14	0.252 (6.4)	1/4 (M6)
516	0.331 (8.4)	5/16 (M8)
38	0.413 (10.5)	3/8 (M10)

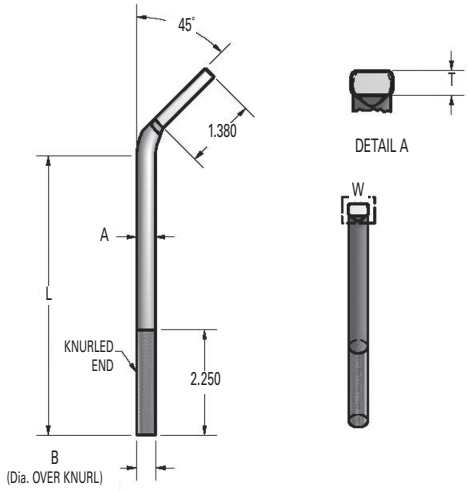
All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL 467 Listed for grounding and bonding, UL File E34440
UL 2703 Listed, UL File E354420
* Bolt not included

Compression Grounding
Structural Ground Stud

TYPE
SGS

Features
- Heavy duty steel
- Tin plated
- Knurled mounting tip

Benefits
- Can be welded to steel beam
- Low resistance ground
- Excellent gripping strength



Catalog Number*	Nom. Rod Size	Dimensions - in. (mm)					Electrical Equivalent Copper Conductor Size*
		L				W	
SGS-14	1/4	.250 (6.3)	.280 (7.1)	.26 (6.6)	5.650 (143.5)	.210 (5.3)	#6
SGS-38	3/8	.375 (9.5)	.450 (11.4)	.39 (9.9)	5.650 (143.5)	.265 (6.7)	#3
SGS-916	5/8	.560 (14.2)	.680 (17.3)	.57 (14.5)	5.650 (143.5)	.410 (10.4)	1/0
SGS-34	3/4	.750 (19.0)	.905 (23.0)	.76 (19.3)	5.650 (143.5)	.530 (13.5)	4/0

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All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* This is the equivalent rating for continuous service. Larger conductors may be connected using both compression and bolted connectors in potential ground fault applications.

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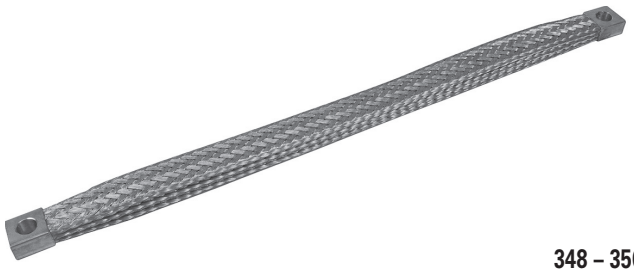


348 – 350

ILSCO FLEX BRAID CONNECTORS

ILSCO manufactures high quality flexible braid electrical connectors for power and grounding applications. Flex braid connectors are ideal for grounding electrical cabinet doors and in situations where vibration exists. This includes generators, turbines, motors, substations and transformers.

ILSCO flex braid connectors are UL Listed and CSA Certified for grounding per UL 467, file E34440.

Flex braids are also commonly used on bus systems and for equipment misalignment solutions.

ILSCO flex braids consist of high quality tin-plated copper braid with seamless copper tube ferrules stamped on the ends. The ferrules have rounded smooth edges to prevent chaffing of braid strands.

ILSCO provides four standard ferrule designs as shown above, but we will be glad to quote custom designs per your specifications.

Flex Braid Connectors
Single Mounting Hole

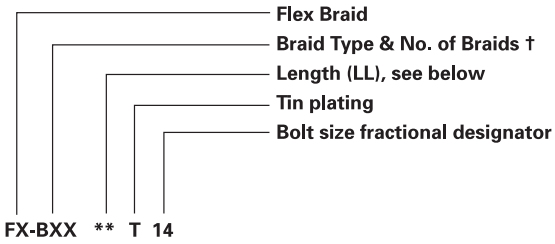
RoHS Compliant

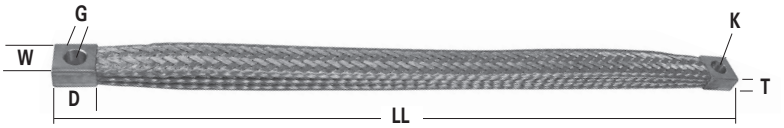
c UL us LISTED 667P

TYPE
FX

Features
- Manufactured from pure copper braid
- Electro-tin plated
- Seamless pure copper ferrules
- Ferrules clean cut and precision formed to braid
- Flexible braid

Benefits
- Provides superior ground path
- Corrosion resistant
- Low resistance
- Assures permanent low resistance connection
- Compensates for linear expansion, vibration, and other dimensional offset conditions





Catalog Number	Wire Equivalent	Amps	Number of Braids	Dimensions T	W	D	G	Mounting Hole Dia. K	Bolt Size - in.
FX-BD**T12	1 AWG	190	1	0.130 (3.3)	1.190 (30.2)	1.190 (30.2)	0.595 (15.1)	0.560 (14.2)	1/2
FX-BE**T12	3/0 AWG	340	1	0.210 (5.3)	1.250 (31.8)	1.250 (31.8)	0.625 (15.9)	0.560 (14.2)	1/2
FX-BF**T12	4/0 AWG	375	1	0.280 (7.1)	1.380 (35.1)	1.380 35.1)	0.690 (17.5)	0.560 (14.2)	1/2
FX-BG**T12	300 kcmil	510	1	0.364 (9.2)	1.630 (41.4)	1.630 (41.4)	0.815 (20.7)	0.560 (14.2)	1/2
FX-B2D**T12	154 kcmil	380	2	0.210 (5.3)	1.190 (30.2)	1.190 (30.2)	0.595 (15.1)	0.560 (14.2)	1/2
FX-B2E**T12	308 kcmil	530	2	0.350 (8.9)	1.250 (31.8)	1.250 (31.8)	0.625 (15.9)	0.560 (14.2)	1/2
FX-B2F**T12	464 kcmil	600	2	0.380 (9.7)	1.380 (35.1)	1.380 (35.1)	0.690 (17.5)	0.560 (14.2)	1/2
FX-B2G**T12	600 kcmil	875	2	0.500 (12.7)	1.630 (41.4)	1.630 (41.4)	0.815 (20.7)	0.560 (14.2)	1/2
FX-B3D**T12	231 kcmil	470	3	0.270 (6.9)	1.190 (30.2)	1.190 (30.2)	0.595 (15.1)	0.560 (14.2)	1/2
FX-B3E**T12	462 kcmil	700	3	0.580 (14.7)	1.250 (31.8)	1.250 (31.8)	0.625 (15.9)	0.560 (14.2)	1/2
FX-B3F**T12	696 kcmil	900	3	0.590 (15.0)	1.380 (35.1)	1.380 (35.1)	0.690 (17.5)	0.560 (14.2)	1/2
FX-B3G**T12	900 kcmil	1000	3	0.690 (17.5)	1.630 (41.4)	1.630 (41.4)	0.815 (20.7)	0.560 (14.2)	1/2
FX-B4D**T12	308 kcmil	600	4	0.390 (9.9)	1.190 (30.2)	1.190 (30.2)	0.595 (15.1)	0.560 (14.2)	1/2
FX-B4E**T12	616 kcmil	875	4	0.800 (20.3)	1.250 (31.8)	1.250 (31.8)	0.625 (15.9)	0.560 (14.2)	1/2
FX-B4F**T12	928 kcmil	1000	4	0.870 (22.1)	1.380 (35.1)	1.380 (35.1)	0.690 (17.5)	0.560 (14.2)	1/2
FX-B4G**T12	1200 kcmil	1200	4	1.000 (25.4)	1.630 (41.4)	1.630 (41.4)	0.815 (20.7)	0.560 (14.2)	1/2
FX-BD06T14	1 AWG	190	1	0.130 (3.3)	1.190 (30.2)	1.190 (30.2)	0.595 (15.1)	0.280 (7.1)	1/4
FX-BD09T14	1 AWG	190	1	0.130 (3.3)	1.190 (30.2)	1.190 (30.2)	0.595 (15.1)	0.280 (7.1)	1/4
FX-BD10T14	1 AWG	190	1	0.130 (3.3)	1.190 (30.2)	1.190 (30.2)	0.595 (15.1)	0.280 (7.1)	1/4
FX-BD12T14	1 AWG	190	1	0.130 (3.3)	1.190 (30.2)	1.190 (30.2)	0.595 (15.1)	0.280 (7.1)	1/4
FX-BD14T14	1 AWG	190	1	0.130 (3.3)	1.190 (30.2)	1.190 (30.2)	0.595 (15.1)	0.280 (7.1	1/4
FX-BE06T716	3/0 AWG	340	1	0.210 (5.3)	1.250 (31.8)	1.250 (31.8)	0.625 (15.9)	0.460 (11.7)	7/16
FX-BE12T716	3/0 AWG	340	1	0.210 (5.3)	1.250 (31.8)	1.250 (31.8)	0.625 (15.9)	0.460 (11.7)	7/16
FX-BE18T716	3/0 AWG	340	1	0.210 (5.3)	1.250 (31.8)	1.250 (31.8)	0.625 (15.9)	0.460 (11.7)	7/16
FX-BE12T58	3/0 AWG	340	1	0.210 (5.3)	1.250 (31.8)	1.250 (31.8)	0.625 (15.9)	0.660 (16.8)	5/8
FX-BE18T58	3/0 AWG	340	1	0.210 (5.3)	1.250 (31.8)	1.250 (31.8)	0.625 (15.9)	0.660 (16.8)	5/8
FX-BE24T58	3/0 AWG	340	1	0.210 (5.3)	1.250 (31.8)	1.250 (31.8)	0.625 (15.9)	0.660 (16.8)	5/8
FX-BF06T716	4/0 AWG	375	1	0.280 (7.1)	1.380 (35.1)	1.380 (35.1)	0.690 (17.5)	0.460 (11.7)	7/16
FX-BF12T716	4/0 AWG	375	1	0.280 (7.1)	1.380 (35.1)	1.380 (35.1)	0.690 (17.5)	0.460 (11.7)	7/16
FX-BF18T716	4/0 AWG	375	1	0.280 (7.1)	1.380 (35.1)	1.380 (35.1)	0.690 (17.5)	0.460 (11.7)	7/16
FX-BG06T716	300 kcmil	510	1	0.364 (9.2)	1.630 (41.4)	1.630 (41.4)	0.815 (20.7)	0.460 (11.7)	7/16
FX-BG08T716	300 kcmil	510	1	0.364 (9.2)	1.630 (41.4)	1.630 (41.4)	0.815 (20.7)	0.460 (11.7)	7/16
FX-BG12T716	300 kcmil	510	1	0.364 (9.2)	1.630 (41.4)	1.630 (41.4)	0.815 (20.7)	0.460 (11.7)	7/16

Tested to UL 467, UL File E34440 Amp rating will vary with ambient conditions, orientation of the braid and other service conditions

** Available lengths (LL): 06", 09", 12", 18", 24", 36", 48"

Contact Customer Care for custom lengths, mounting hole requirements and configurations

† Missing numerical value indicates single braid

G1

4730 Madison Road, Cincinnati OH 45227-1426 | PH: 513.533.6200 | FAX: 513.871.4084 | www.ilsco.com
In Canada: 615 B Orwell Street, Mississauga, Ontario, Canada L5A 2W4 | PH: 905.274.2341 | FAX: 905.279.2682

Flex Braid Connectors
Double Mounting Hole

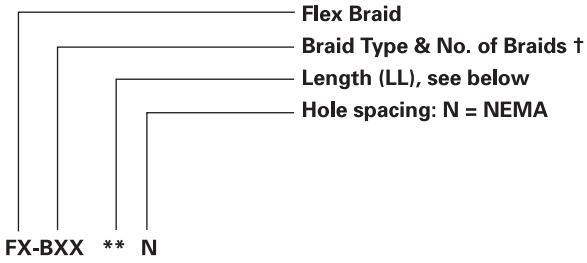
RoHS Compliant

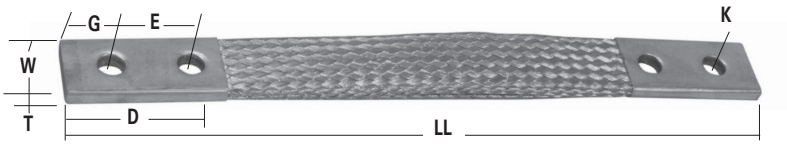
c UL us LISTED 667P

TYPE
FX

Features
- Manufactured from pure copper braid
- Electro-tin plated
- Seamless pure copper ferrules
- Ferrules clean cut and precision formed to braid
- Flexible braid

Benefits
- Provides superior ground path
- Corrosion resistant
- Low resistance
- Assures permanent low resistance connection
- Compensates for linear expansion, vibration, and other dimensional offset conditions





Catalog Number	Wire Equivalent	Amps	Number of Braids	Dimensions - in (mm) T	W	D	E	G	Mounting Hole Dia. K	Bolt Size - in.
FX-BD**	1 AWG	190	1	0.130 (3.3)	1.190 (30.2)	2.500 (63.5)	1.000 (25.4)	0.750 (19.1)	0.410 (10.4)	3/8
FX-BD**N	1 AWG	190	1	0.130 (3.3)	1.190 (30.2)	3.000 (76.2)	1.750 (44.5)	0.620 (15.7)	0.560 (14.2)	1/2
FX-BE**	3/0 AWG	340	1	0.210 (5.3)	1.250 (31.8)	2.500 (63.5)	1.000 (25.4)	0.750 (19.1)	0.410 (10.4)	3/8
FX-BE**N	3/0 AWG	340	1	0.210 (5.3)	1.250 (31.8)	3.000 (76.2)	1.750 (44.5)	0.620 (15.7)	0.560 (14.2)	1/2
FX-BF**	4/0 AWG	375	1	0.280 (7.1)	1.380 (35.1)	2.500 (63.5)	1.000 (25.4)	0.750 (19.1)	0.410 (10.4)	3/8
FX-BF**N	4/0 AWG	375	1	0.280 (7.1)	1.380 (35.1)	3.000 (76.2)	1.750 (44.5)	0.620 (15.7)	0.560 (14.2)	1/2
FX-BG**	300 kcmil	510	1	0.364 (9.2)	1.630 (41.4)	2.500 (63.5)	1.000 (25.4)	0.750 (19.1)	0.410 (10.4)	3/8
FX-BG**N	300 kcmil	510	1	0.364 (9.2)	1.630 (41.4)	3.000 (76.2)	1.750 (44.5)	0.620 (15.7)	0.560 (14.2)	1/2
FX-B2D**	154 kcmil	380	2	0.210 (5.3)	1.190 (30.2)	2.500 (63.5)	1.000 (25.4)	0.750 (19.1)	0.410 (10.4)	3/8
FX-B2D**N	154 kcmil	380	2	0.210 (5.3)	1.190 (30.2)	3.000 (76.2)	1.750 (44.5)	0.620 (15.7)	0.560 (14.2)	1/2
FX-B2E**	308 kcmil	530	2	0.350 (8.9)	1.250 (31.8)	2.500 (63.5)	1.000 (25.4)	0.750 (19.1)	0.410 (10.4)	3/8
FX-B2E**N	308 kcmil	530	2	0.350 (8.9)	1.250 (31.8)	3.000 (76.2)	1.750 (44.5)	0.620 (15.7)	0.560 (14.2)	1/2
FX-B2F**	464 kcmil	600	2	0.380 (9.7)	1.380 (35.1)	2.500 (63.5)	1.000 (25.4)	0.750 (19.1)	0.410 (10.4)	3/8
FX-B2F**N	464 kcmil	600	2	0.380 (9.7)	1.380 (35.1)	3.000 (76.2)	1.750 (44.5)	0.620 (15.7)	0.560 (14.2)	1/2
FX-B2G**	600 kcmil	875	2	0.500 (12.7)	1.630 (41.4)	2.500 (63.5)	1.000 (25.4)	0.750 (19.1)	0.410 (10.4)	3/8
FX-B2G**N	600 kcmil	875	2	0.500 (12.7)	1.630 (41.4)	3.000 (76.2)	1.750 (44.5)	0.620 (15.7)	0.560 (14.2)	1/2
FX-B3D**	231 kcmil	470	3	0.270 (6.9)	1.190 (30.2)	2.500 (63.5)	1.000 (25.4)	0.750 (19.1)	0.410 (10.4)	3/8
FX-B3D**N	231 kcmil	470	3	0.270 (6.9)	1.190 (30.2)	3.000 (76.2)	1.750 (44.5)	0.620 (15.7)	0.560 (14.2)	1/2
FX-B3E**	462 kcmil	700	3	0.580 (14.7)	1.250 (31.8)	2.500 (63.5)	1.000 (25.4)	0.750 (19.1)	0.410 (10.4)	3/8
FX-B3E**N	462 kcmil	700	3	0.580 (14.7)	1.250 (31.8)	3.000 (76.2)	1.750 (44.5)	0.620 (15.7)	0.560 (14.2)	1/2
FX-B3F**	696 kcmil	900	3	0.590 (15.0)	1.380 (35.1)	2.500 (63.5)	1.000 (25.4)	0.750 (19.1)	0.410 (10.4)	3/8
FX-B3F**N	696 kcmil	900	3	0.590 (15.0)	1.380 (35.1)	3.000 (76.2)	1.750 (44.5)	0.620 (15.7)	0.560 (14.2)	1/2
FX-B3G**	900 kcmil	1000	3	0.690 (17.5)	1.630 (41.4)	2.500 (63.5)	1.000 (25.4)	0.750 (19.1)	0.410 (10.4)	3/8
FX-B3G**N	900 kcmil	1000	3	0.690 (17.5)	1.630 (41.4)	3.000 (76.2)	1.750 (44.5)	0.620 (15.7)	0.560 (14.2)	1/2
FX-B4D**	308 kcmil	600	4	0.390 (9.9)	1.190 (30.2)	2.500 (63.5)	1.000 (25.4)	0.750 (19.1)	0.410 (10.4)	3/8
FX-B4D**N	308 kcmil	600	4	0.390 (9.9)	1.190 (30.2)	3.000 (76.2)	1.750 (44.5)	0.620 (15.7)	0.560 (14.2)	1/2
FX-B4E**	616 kcmil	875	4	0.800 (20.3)	1.250 (31.8)	2.500 (63.5)	1.000 (25.4)	0.750 (19.1)	0.410 (10.4)	3/8
FX-B4E**N	616 kcmil	875	4	0.800 (20.3)	1.250 (31.8)	3.000 (76.2)	1.750 (44.5)	0.620 (15.7)	0.560 (14.2)	1/2
FX-B4F**	928 kcmil	1000	4	0.870 (22.1)	1.380 (35.1)	2.500 (63.5)	1.000 (25.4)	0.750 (19.1)	0.410 (10.4)	3/8
FX-B4F**N	928 kcmil	1000	4	0.870 (22.1)	1.380 (35.1)	3.000 (76.2)	1.750 (44.5)	0.620 (15.7)	0.560 (14.2)	1/2
FX-B4G**	1200 kcmil	1200	4	1.000 (25.4)	1.630 (41.4)	2.500 (63.5)	1.000 (25.4)	0.750 (19.1)	0.410 (10.4)	3/8
FX-B4G**N	1200 kcmil	1200	4	1.000 (25.4)	1.630 (41.4)	3.000 (76.2)	1.750 (44.5)	0.620 (15.7)	0.560 (14.2)	1/2

Tested to UL 467, UL File E34440
Amp rating will vary with ambient conditions, orientation of the braid and other service conditions
** Available lengths (LL): 12", 18", 24", 36", 48"
Contact Customer Care for custom lengths, mounting hole requirements and configurations
† Missing numerical value indicates single braid

Underground

DBK

352

ASK

352

USPASS

353 – 354

SS, SSK, SSKC

355

PEDSS

356 – 357

STLSS, SLSS

358 – 360

GGA

361 – 362

GGB

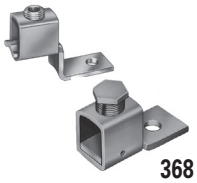
363 – 364

GGC

365

ELT

366 – 367

SLU-DB, XT-DB

368

CGRC

369

BGRC

370

SRC

371

GRC

372

RLT

373 – 374

BGC

375

BGDB

376

SPS

377 –378

SPD

379 – 380

TTGC

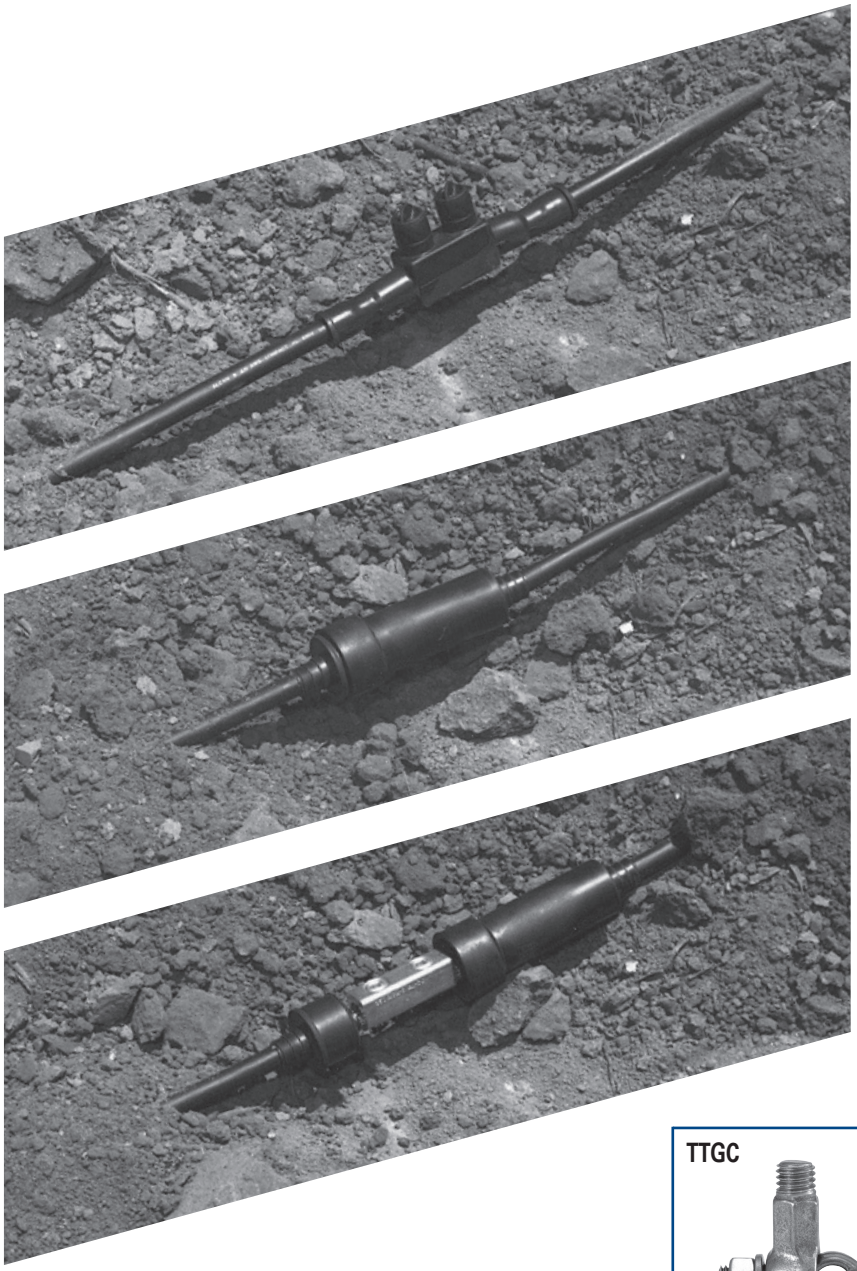
381

GPL3

382

CGBL

383



Direct Burial and Above Grade
Splice Kits

RoHS Compliant

TYPE
DBK
ASK

Features
- DBK-1 connectors manufactured from electrolytic copper
- All other connectors manufactured from high strength aluminum alloy
- Heavy wall heat shrink tubing with sealant
- Connector and heat shrink packaged together
- Rated for 600 volts, 90° C

Benefits
- Provides maximum conductivity for UF cable
- Provides high conductivity and can be used with either aluminum or copper conductors
- Provides watertight splice. Kits with heat shrink are designed to withstand abrasions due to direct burial in rocky soil.
- Provides ease of ordering
- Ensures reliability

Fig. 1

Fig. 2

Fig. 3

Catalog Number	Figure Number	UF Cable Range		Wire Range	Testing Certification
		Minimum	Maximum		
DBK-1	1	14/2 with Ground	8/3 with Ground	-	UL LISTED 88X4
DBK-2	2	-	-	2-8	UL LISTED 88X4
DBK-250	2	-	-	250kcmil-1	UL LISTED 88X4

Tested UL 486D, UL File E125087

H

ABOVE GRADE SPLICE KITS

Catalog Number	Figure Number	UF Cable Range		Wire Range	Testing Certification
		Minimum	Maximum		
ASK-2*	3	-	-	2-8	UL LISTED 453G
ASK-250*	3	-	-	250kcmil-1	UL LISTED 453G

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*Not UL Listed for direct burial.
Tested to UL 486A/B, UL File E125087

SafetySub®
Watertight, Underground Connectors

RoHS Compliant

c UL us LISTED

SA LR-29601

TYPE
USPASS

Features
- Encapsulated with dielectric strength polymer
- Manufactured from high strength aluminum alloy
- Compact design
- DE-OX oxide inhibiting compound optional
- Connector rated for 600 volts, 90˚ C
- Range taking
- Meets or exceeds UL 486D

Benefits
- Completely watertight in line splice. Ready for installation. (not a mold for use with mixed compounds) No taping required. No temperature or humidity restrictions.
- Suitable for use with copper or aluminum conductors
- Easily accessible in small hand holes
- Prevents oxides from forming
- Ensures reliability
- Reduces inventory
- UL Listed and CSA Certified for direct burial in earth or concrete

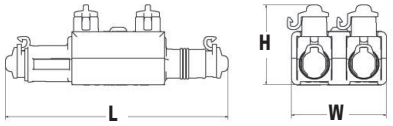


Fig. 1

Fig. 2

Fig. 3

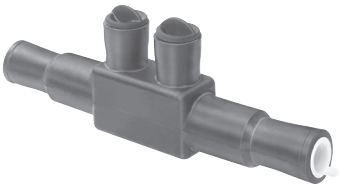


Fig. 4

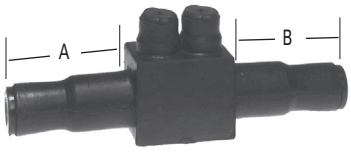


Fig. 5

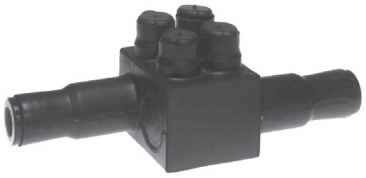


Fig. 6

Catalog Number	Figure Number	Wire Range	Dimensions – in. (mm)		
			Length – in. (mm)	Width – in. (mm)	L
USPA-1/0SS-DB*	1	1/0-14	0.930 (23.6)	1.925 (48.9)	5.630 (143.0)
USPA21-1/0SS-DB*	2	1/0-14	2.190 (55.6)	1.925 (48.9)	4.000 (101.6)
USPA22-1/0SS-DB*	3	1/0-14	2.395 (60.8)	2.000 (50.8)	5.630 (143.0)
USPA-350SS-DB+	4	350kcmil-10str	1.162 (29.5)	2.500 (63.5)	8.625 (219.0)
USPA-500SS-DB	5	500kcmil-10	1.925 (48.8)	3.219 (81.7)	9.812 (249.2)
USPA-750SS-DB	6	750kcmil-2	3.596 (91.3)	3.843 (83.4)	9.188 (233.4)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
+ RUS Listed
Tested to UL 486D, UL File E125087
*For DE-OX®, add "P" following the SS (e.g. USPA-1/0SSP-DB)

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In Canada: 615 B Orwell Street, Mississauga, Ontario, Canada L5A 2W4 | PH: 905.274.2341 | FAX: 905.279.2682

TYPE
USPASS

Features
- Environmentally sealed design
- Encapsulated with high dielectric strength polymer
- Manufactured from high strength aluminum alloy
- Compact design
- Interchangeable wire and screw port plugs
- Cap retention hook
- Available in three circuit configurations
- Wire way seals with pre-marked trim locations
- DE-OX® oxide inhibiting compound optional
- Rated for 600 volts
- Meets or exceeds UL 486D

Benefits
- Resists corrosion from moisture
- Touch safe, no taping required
- Suitable for use with copper or aluminum conductors
- Easily accessible in small hand holes
- Seals any entry port of the connector
- Tethered for re-insertion if required
- Application versatility
- Accommodates wire range 1/0-14
- Prevents oxides from forming
- For use in low voltage applications
- Watertight, suitable for direct burial

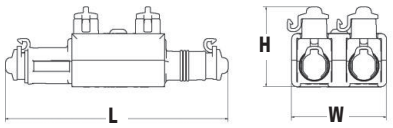

Fig. 1

Fig. 2

Fig. 3

Catalog Number	Figure Number	Wire Range	Number of Ports		Dimensions – in. (mm)		
			Inputs	Outputs	Length – in. (mm)	Width – in. (mm)	L
USPA-1/0SS-DB	1	1/0-14	1	1	0.930 (23.6)	1.925 (48.9)	5.630 (143.0)
USPA21-1/0SS-DB	2	1/0-14	2	1	2.190 (55.6)	1.925 (48.9)	4.000 (101.6)
USPA22-1/0SS-DB	3	1/0-14	2	2	2.395 (60.8)	2.00 (50.8)	5.630 (143.0)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL File 486D
For DE-OX®, add "P" following the SS (e.g. USPA-1/0SSP-DB)

H

Watertight Underground Splice Kits

RoHS Compliant

TYPE
SS
SSK
SSKC

Features
- Watertight EPDM rubber splice cover
- Tapered ends
- Ready for installation
- Type SS is cover only supplied with lubricant
- Type SSK kit is supplied with both connector and lubricant
- Connector rated for 600 volts, 90˚ C

Benefits
- No taping required. Suitable for direct burial
- Fits a wide range of conductor sizes
- Not a mold, can be used in any type of weather. (moisture and humidity are not a factor)
- Can be used with standard aluminum or copper compression from 500kcmil - 6. Lubricant permits easy insertion of conductors into sleeve.
- Supplied with dual-rated mechanical splice connector with a wire range of 350kcmil - 6
- Ensures reliability

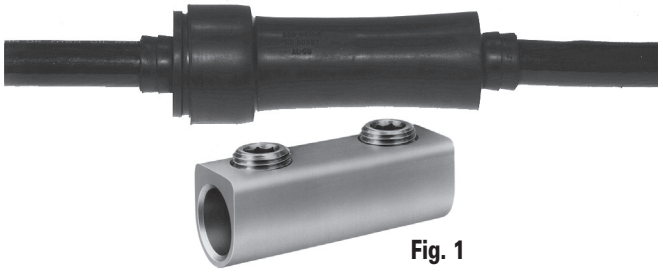

Fig. 1

Fig. 2

Catalog Number	Figure Number	Dimensions – in. (mm)		
		Bolted Connector	Compression Sleeves	L
SSK-350-Z	1	350kcmil-6	-	5-1/2
SS-350-Z	2	350kcmil-6	500kcmil-6	5-1/2

H

Catalog Number	Connector Catalog Number	Wire Size	Wire Range When Installed With IDT-12 Tool
SSKC-6-Z	AS-6	6	6
SSKC-4-Z	AS-4	4	4-6
SSKC-2-Z	AS-2	2	2-6
SSKC-1/0-Z	AS-1/0	1/0	1/0-1
SSKC-2/0-Z	AS-2/0	2/0	2/0-1
SSKC-3/0-Z	AS-3/0	3/0	3/0-1
SSKC-4/0-Z	AS-4/0	4/0	4/0-1
SSKC-250-Z	AS-250	250kcmil	250kcmil-1/0

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

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In Canada: 615 B Orwell Street, Mississauga, Ontario, Canada L5A 2W4 | PH: 905.274.2341 | FAX: 905.279.2682

SafetySub®
Connector for Direct Burial and Hand Holes
Conductor Range: 500kcmil - #12str

RoHS Compliant

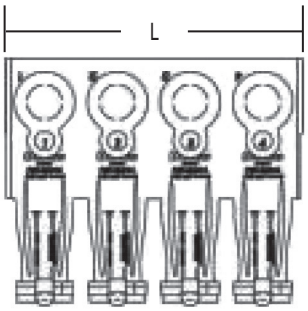
UL LISTED 88X4

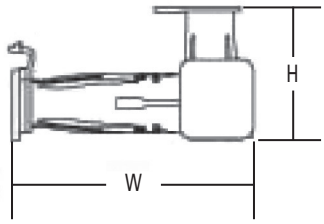
SA LR-29601

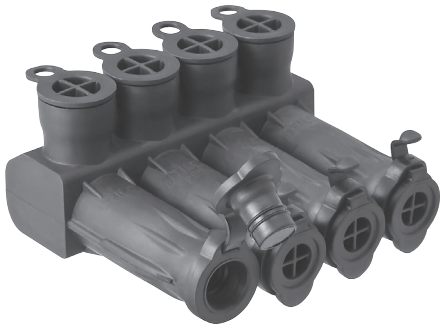
TYPE
PEDSS

Features
- Manufactured from high strength aluminum alloy
- Environmentally sealed design
- Dual rated
- Encapsulation meets or exceeds dielectric strength of 240 volts per mil (nominal thickness 125 mils)
- Re-sealable and tethered wire ports
- Pre-filled with DE-OX® oxide inhibiting compound
- UL Listed and CSA Certified
- Rated for 600 volts, 90° C

Benefits
- Provides maximum conductivity
- Resist corrosion from moisture
- Use with both copper and aluminum conductors
- Specifically formulated for electrical waterproofing requirements
- Completely watertight, no taping required
- Protects contact area and prevents oxides from forming
- For direct burial in earth or concrete







Catalog Number	Wire Range	Number of Ports	Dimensions – in. (mm)		
			W	H	L
PED2-350SS-DB	350kcmil-12str	2	4.363 (110.8)	2.375 (60.3)	2.430 (61.7)
PED3-350SS-DB	350kcmil-12str	3	4.363 (110.8)	2.375 (60.3)	3.555 (90.3)
PED4-350SS-DB	350kcmil-12str	4	4.363 (110.8)	2.375 (60.3)	4.680 (118.9)
PED5-350SS-DB	350kcmil-12str	5	4.363 (110.8)	2.375 (60.3)	5.805 (147.4)
PED6-350SS-DB	350kcmil-12str	6	4.363 (110.8)	2.375 (60.3)	6.930 (176.0)
PED8-350SS-DB	350kcmil-12str	8	4.363 (110.8)	2.375 (60.3)	9.180 (233.2)
PED9-350SS-DB	350kcmil-12str	9	4.36 (110.8)	2.375 (60.3)	10.305 (261.7)
PED10-350SS-DB	350kcmil-12str	10	4.363 (110.8)	2.375 (60.3)	11.430 (290.3)
PED3-500SS-DB	500kcmil-12str	3	4.925 (125.1)	2.700 (68.6)	4.502 (114.4)
PED4-500SS-DB	500kcmil-12str	4	4.925 (125.1)	2.700 (68.6)	5.971 (151.7)
PED5-500SS-DB	500kcmil-12str	5	4.925 (125.1)	2.700 (68.6)	7.440 (189.0)
PED6-500SS-DB	500kcmil-12str	6	4.925 (125.1)	2.700 (68.6)	8.909 (226.3)
PED8-500SS-DB	500kcmil-12str	8	4.925 (125.1)	2.700 (68.6)	11.847 (300.9)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486D, UL File E125087

Connector for Direct Burial and Hand Holes
Conductor Range: 750kcmil - #10

RoHS Compliant

TYPE
PEDSS
Rated for 600

Features
- Manufactured from high strength aluminum alloy
- Clear plated
- Dual rated
- Encapsulation meets or exceeds dielectric strength of 240 volts per mil (nominal thickness 125 mils)
- Rated for 600 volts
- For direct burial in earth and concrete

Benefits
- Provides maximum conductivity
- Low contact resistance
- Use with both copper and aluminum conductors
- Specifically formulated for electrical waterproofing requirements
-

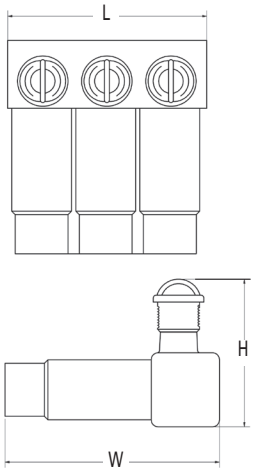


Fig. 1

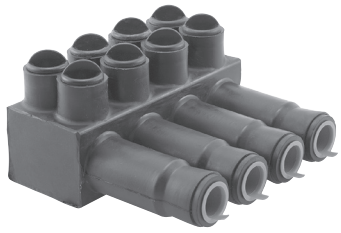
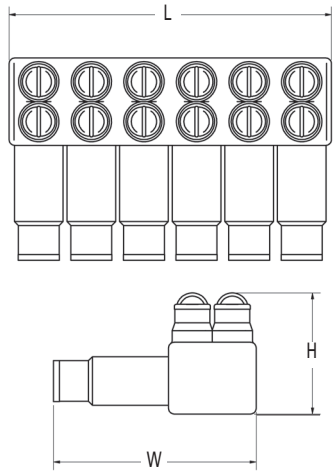


Fig. 2



Catalog Number	Figure Number	Wire Range	Number of Ports	Dimensions – in. (mm)		
				W	H	L
PED-3-500-SS-Z	1	500kcmil-10	3	5.060 (128.5)	2.850 (72.4)	4.314 (109.6)
PED-4-500-SS-Z	1	500kcmil-10	4	5.060 (128.5)	2.850 (72.4)	5.782 (146.9)
PED-5-500-SS-Z	1	500kcmil-10	5	5.060 (128.5)	2.850 (72.4)	7.250 (184.2)
PED-6-500-SS-Z	1	500kcmil-10	6	5.060 (128.5)	2.850 (72.4)	8.719 (221.5)
PED-8-500-SS-Z	1	500kcmil-10	8	5.060 (128.5)	2.850 (72.4)	11.657 (296.1)
PED-4-750-SS-Z	2	750kcmil-2	4	6.502 (165.1)	3.898 (99.1)	6.973 (177.7)
PED-6-750-SS-Z	2	750kcmil-2	6	6.502 (165.1)	3.898 (99.1)	10.351 (262.9)
PED-8-750-SS-Z	2	750kcmil-2	8	6.502 (165.1)	3.898 (99.1)	13.729 (348.7)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Extra screw closure caps and extra conductor plugs available.

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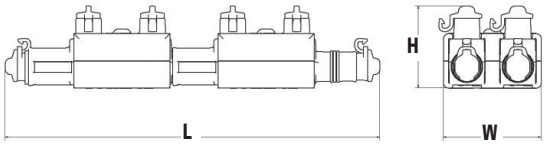
STREETWISE®
Street Light Connectors - UL Listed

RoHS Compliant | UL LISTED | SA LR-29601

TYPE
STLSS

Features
- Environmentally sealed design
- Encapsulated with high dielectric strength polymer
- Manufactured from high strength aluminum alloy
- Precision engineered separation joint
- Fuse capable
- Compact design
- Interchangeable wire and screw port plugs
- Cap retention hook
- Available in four circuit configurations
- Wire way seals with pre-marked trim locations
- DE-OX® oxide inhibiting compound optional
- Rated for 600 volts
- Meets or exceeds UL 486D

Benefits
- Resists corrosion from moisture
- Touch safe, no taping required
- Suitable for use with copper or aluminum conductors
- Safe breakaway on impact, theft deterrent
- Overcurrent protection
- Easily accessible in small hand holes
- Seals any entry port of the connector
- Tethered for re-insertion if required
- Application versatility
- Accommodates wire range 1/0-14
- Prevents oxides from forming
- For use in low voltage applications
- Watertight, suitable for direct burial



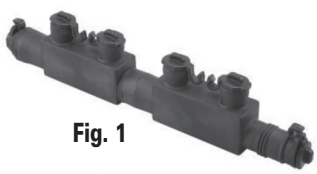


Fig. 1

Fig. 3

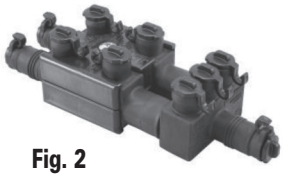


Fig. 2

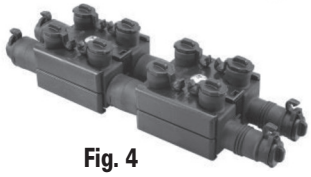
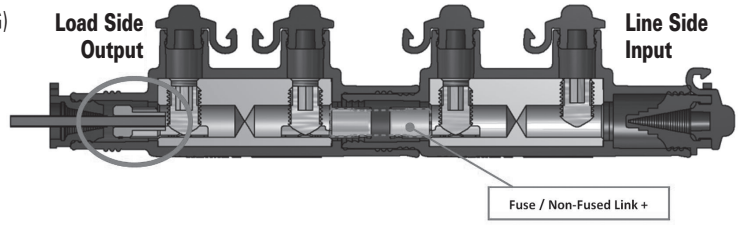
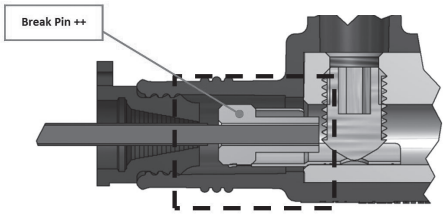


Fig. 4

Catalog Number	Figure Number	Load Side Wire Range	Line Side Wire Range	Number of Ports		Dimensions – in. (mm)		
				Inputs	Outputs	W	H	L
STL11-1/0SS6	1	6	1/0-14	1	1	0.930 (23.6)	1.925 (48.9)	9.130 (231.9)
STL12-1/0SS6	2	6	1/0-14	1	2	2.395 (60.8)	1.995 (50.7)	7.510 (190.8)
STL21-1/0SS6	3	6	1/0-14	2	1	2.190 (55.6)	1.925 (48.9)	7.525 (191.1)
STL22-1/0SS6	4	6	1/0-14	2	2	2.395 (60.8)	1.995 (50.7)	9.130 (231.9)
STL11-1/0SS8	1	8	1/0-14	1	1	0.930 (23.6)	1.925 (48.9)	9.130 (231.9)
STL12-1/0SS8	2	8	1/0-14	1	2	2.395 (60.8)	1.995 (50.7)	7.510 (190.8)
STL21-1/0SS8	3	8	1/0-14	2	1	2.190 (55.6)	1.925 (48.9)	7.525 (191.1)
STL22-1/0SS8	4	8	1/0-14	2	2	2.395 (60.8)	1.995 (50.7)	9.130 (231.9)
STL11-1/0SS10	1	10-14	1/0-14	1	1	0.930 (23.6)	1.925 (48.9)	9.130 (231.9)
STL12-1/0SS10	2	10-14	1/0-14	1	2	2.395 (60.8)	1.995 (50.7)	7.510 (190.8)
STL21-1/0SS10	3	10-14	1/0-14	2	1	2.190 (55.6)	1.925 (48.9)	7.525 (191.1)
STL22-1/0SS10	4	10-14	1/0-14	2	2	2.395 (60.8)	1.995 (50.7)	9.130 (231.9)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL File 486D
For DE-OX®, add "P" to end of catalog number
Fuse must be supplied by customer
++ Break pins are supplied with the connector. Also available as Service parts, see below:





++ Break Pin	
Catalog Number	QTY
BP6	3
BP8	3
BP10	3

+ Optional Non-fused Link	
Catalog Number	QTY
NFL3	3
NFL6	6
NFL24	24

H

STREETWISE®
Street Light Connectors Non-Fused

RoHS Compliant

UL LISTED E479772 SPECIAL PURPOSE CONNECTOR

CSA LR-29601

TYPE
STLSS

Features
- Environmentally sealed design
- Encapsulated with high dielectric strength polymer
- Manufactured from high strength aluminum alloy
- Compact design
- Interchangeable wire and screw port plugs
- Cap retention hook
- Available in four circuit configurations
- Wire way seals with pre-marked trim locations
- DE-OX® oxide inhibiting compound optional
- Rated for 600 volts
- Watertight

Benefits
- Resists corrosion from moisture
- Touch safe, no taping required
- Suitable for use with copper or aluminum conductors
- Break away feature for non-fused applications, easily accessible in small hand holes
- Seals any entry port of the connector
- Tethered for re-insertion if required
- Application versatility
- Accommodates wire range 1/0-14
- Prevents oxides from forming
- For use in low voltage applications
- Suitable for direct burial

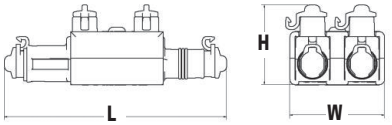


Fig. 1

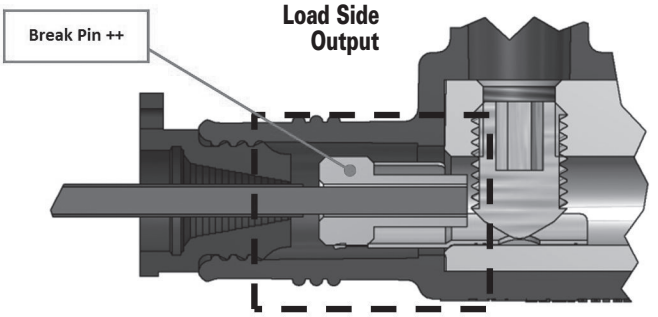
Fig. 3

Fig. 2

Fig. 4

Catalog Number	Figure Number	Load Side Wire Range	Line Side Wire Range	Number of Ports		Dimensions – in. (mm)		
				Inputs	Outputs	W	H	L
STL11-1/0SS6	1	6	1/0-14	1	1	0.930 (23.6)	1.925 (48.9)	9.130 (231.9)
STL12-1/0SS6	2	6	1/0-14	1	2	2.395 (60.8)	1.995 (50.7)	7.510 (190.8)
STL21-1/0SS6	3	6	1/0-14	2	1	2.190 (55.6)	1.925 (48.9)	7.525 (191.1)
STL22-1/0SS6	4	6	1/0-14	2	2	2.395 (60.8)	1.995 (50.7)	9.130 (231.9)
STL11-1/0SS8	1	8	1/0-14	1	1	0.930 (23.6)	1.925 (48.9)	9.130 (231.9)
STL12-1/0SS8	2	8	1/0-14	1	2	2.395 (60.8)	1.995 (50.7)	7.510 (190.8)
STL21-1/0SS8	3	8	1/0-14	2	1	2.190 (55.6)	1.925 (48.9)	7.525 (191.1)
STL22-1/0SS8	4	8	1/0-14	2	2	2.395 (60.8)	1.995 (50.7)	9.130 (231.9)
STL11-1/0SS10	1	10-14	1/0-14	1	1	0.930 (23.6)	1.925 (48.9)	9.130 (231.9)
STL12-1/0SS10	2	10-14	1/0-14	1	2	2.395 (60.8)	1.995 (50.7)	7.510 (190.8)
STL21-1/0SS10	3	10-14	1/0-14	2	1	2.190 (55.6)	1.925 (48.9)	7.525 (191.1)
STL22-1/0SS10	4	10-14	1/0-14	2	2	2.395 (60.8)	1.995 (50.7)	9.130 (231.9)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL ECIS, special purpose connectors
++ Break pins are supplied with the connector. Also available as service parts, see below:



++ Break Pin	
Catalog Number	QTY
BP6	3
BP8	3
BP10	3

H

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STREETWISE®
Street Light Connectors - ANSI Certified

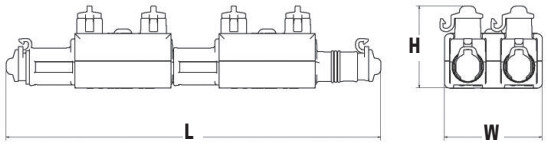
RoHS Compliant

LR-29601

TYPE
SLSS

Features
- Environmentally sealed design
- Encapsulated with high dielectric strength polymer
- Manufactured from high strength aluminum alloy
- Precision engineered separation joint
- Fuse capable
- Compact design
- Interchangeable wire and screw port plugs
- Cap retention hook
- Available in four circuit configurations
- Wire way seals with pre-marked trim locations
- DE-OX® oxide inhibiting compound optional
- Rated for 600 volts
- Meets or exceeds ANSI C119.1 and C119.4 Class A specifications

Benefits
- Resists corrosion from moisture
- Touch safe, no taping required
- Suitable for use with copper or aluminum conductors
- Safe breakaway on impact, theft deterrent
- Overcurrent protection
- Easily accessible in small hand holes
- Seals any entry port of the connector
- Wire port caps tethered for reinsertion if required
- Application versatility
- Accommodates wire range 1/0-14
- Prevents oxides from forming
- For use in low voltage utility applications
- Watertight, suitable for direct burial



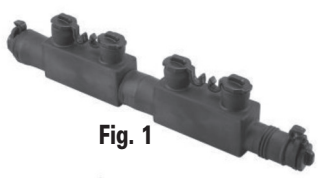


Fig. 1

Fig. 3

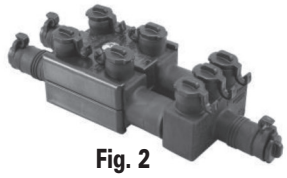


Fig. 2

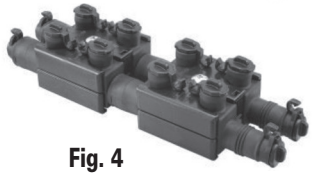
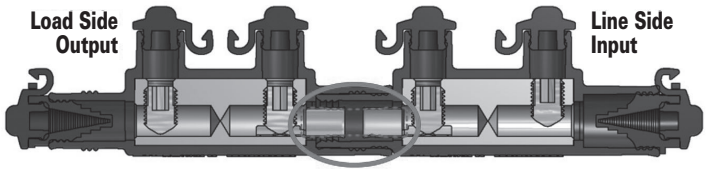


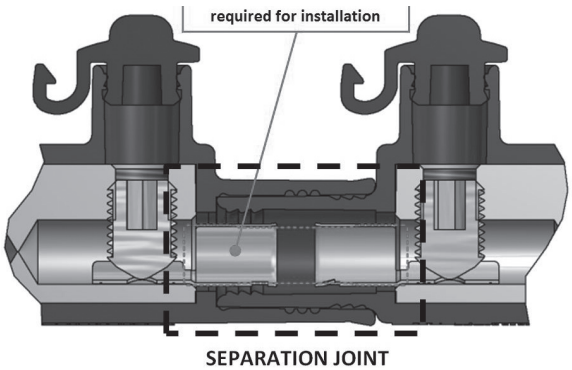
Fig. 4

Catalog Number	Figure Number	Wire Range	Number of Ports		Dimensions – in. (mm)		
			Inputs	Outputs	W	H	L
STL11-1/0SS6	1	1/0-14	1	1	0.930 (23.6)	1.925 (48.9)	9.130 (231.9)
STL12-1/0SS6	2	1/0-14	1	2	2.395 (60.8)	1.995 (50.7)	7.510 (190.8)
STL21-1/0SS6	3	1/0-14	2	1	2.190 (55.6)	1.925 (48.9)	7.525 (191.1)
STL22-1/0SS10	4	1/0-14	2	2	2.395 (60.8)	1.995 (50.7)	9.130 (231.9)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Fuse must be supplied by customer

+ Optional Non-fused Link	
Catalog Number	QTY
NFL3	3
NFL6	6
NFL24	24





SLSS Option:
P - Inhibitor Applied

Example:
SLSS11-1/0SSP-Z
↑
*Inhibitor must be **Last***

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Compression Grounding
Figure 6 - 6 Grounding Grid

RoHS Compliant

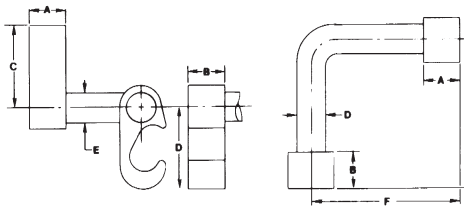
UL LISTED 667P

SA LR-5465

TYPE
GGA

Features
- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Range taking
- Connector can be adjusted prior to installation
- Non-hazardous installation
- Prefilled with DE-OX® oxide inhibiting compound
- Temperature Rating 90˚ C
- UL Listed and CSA Certified for grounding and bonding

Benefits
- Provides maximum conductivity. Suitable for direct burial.
- Provides easy identification and tooling recommendation
- Reduces inventory. Six sizes cover a wire range from 500kcmil to #6, and 1/2" to 3/4" ground rods.
- Permits adjustments to be made for misaligned cross grids
- Can be installed in all types of weather with no need for protective equipment or clothing. Does not produce heat or dangerous particles.
- Prevents oxides from forming
- Ensures reliability
- Direct burial in earth or concrete



Catalog Number	Wire Range					Dimensions – in. (mm)					
	Cable to Cable		Cable to Ground		Rebar						
	Side A	Side B	Side A	Side B	Side B	A	B	C	D	E	F
GGA-1	2str-6sol	2str-6sol	-	-	-	.750 (19.1)	.750 (19.1)	1.090 (27.7)	1.090 (27.7)	.313 (8.0)	2.500 (63.5)
GGA-2	250kcmil-1str	2str-6sol	1/2 - 5/8 Rod	2str-6sol	#3-4	.750 (19.1)	.750 (19.1)	1.660 (42.2)	1.090 (27.7)	.313 (8.0)	2.500 (63.5)
GGA-3	250kcmil-2str	250kcmil-2str	1/2 - 5/8 Rod	250kcmil-2str	#3-4	.750 (19.1)	.750 (19.1)	1.660 (42.2)	1.660 (42.2)	.500 (12.7)	2.500 (63.5)
GGA-4	500kcmil-250kcmil	2str-6sol	5/8 - 3/4 Rod	2str-6sol	#5-6	.750 (19.1)	.750 (19.1)	2.090 (53.1)	1.090 (27.7)	.313 (8.0)	2.500 (63.5)
GGA-5	500kcmil-250kcmil	250kcmil-2str	5/8 - 3/4 Rod	250kcmil-2str	#5-6	.750 (19.1)	.750 (19.1)	2.090 (53.1)	1.660 (42.2)	.500 (12.7)	2.500 (63.5)
GGA-6	500kcmil-250kcmil	500kcmil-250kcmil	5/8 - 3/4 Rod	500kcmil-250kcmil	#5-6	.750 (19.1)	.750 (19.1)	2.280 (57.9)	2.280 (57.9)	.750 (19.1)	2.500 (63.5)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 467, UL File E34440

The GGA Series compression ground grid cross connector can be used to connect a copper ground grid system together or to connect a copper ground grid system to a copper clad ground rod. The GGA Series of compression connectors allow adjustment of each side of the connector prior to installation. The GGA Series of compression connectors are pre-filled with oxide inhibiting compound and are suitable for direct burial.

Notes:
1. ILSCO ILC-12 or ILC-15 Series Tools and ILD Series Dies may be used. Note: Adapter required when using ILC-15 Series Tool. Burndy tools and dies may also be used.
2. Perform a "pre-crimp" on ground rod prior to installing GGA connector. Use an indent type of die such as ILD-Precrimp.
3. Each side of the GGA Series may be rotated around the rod to any desired position before crimping.

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INFORMATION SHEET GGA SERIES

Grounding and Bonding Equipment
Compression Connectors for Copper Conductors
Suiable for Direct Burial in Earth or Concrete

Catalog Number	Cable to Cable		Cu Ground Rod to Cable **OR** Rebar to Cable			Installation Tools: Die Index (# Crimps)									
						ILSCO				UTILCO	Ridgid	Greenlee	Thomas & Betts	Burndy	
						ILC-12-N, ILC-12H-N, ILCB-12 Series, ILC-750, ILC-14 Series, ILC-15 Series, TM-12U1000, TR-12U1000, TB-12U1000 Series		ILC-12, ILC-12H		UM-U42, UR-U42, BLL-U42 Series	RE 12-M	EK1240, HK1240, RK1240, RK1550	13100A, TBM14 Series, TBM15 Series, BPLT14 Series, BPLT15 Series	Y45 Series, Y46 Series, PAT46 Series, Y750 Series, PAT750 Series	Y35 Series, Y39 Series
	Side A (Cu Wire)	Side B (Cu Wire)	Side A (Ground Rod or Rebar)		Side B (Cu Wire)	Side A	Side B	Side A	Side B	Side A			Side B		
GGA-1	6 Sol - 2 Str	6 Sol - 2 Str	-	-	-	O (1)	O (1)	O (1)	O (1)	O (1)			O (1)	O (1)	O (1)
GGA-2	1 Str - 250 kcmil	6 Sol - 2 Str	1/2" - 5/8" Rod	#3 - 4 Rebar	6 Sol - 2 Str	997 (1)	O (1)	997 (1)	O (1)	997 (1)			O (1)	997 (1)	O (1)
GGA-3	2 Str - 250 kcmil	2 Str - 250 kcmil	1/2" - 5/8" Rod	#3 - 4 Rebar	2 Str - 250 kcmil	997 (1)	997 (1)	997 (1)	997 (1)	997 (1)			997 (1)	997 (1)	997 (1)
GGA-4	250 kcmil - 500 kcmil	6 Sol - 2 Str	5/8" - 3/4" Rod	#5 - 6 Rebar	6 Sol - 2 Str	998 (1)	O (1)	N/A	O (1)	998 (1)			O (1)	N/A	O (1)
GGA-5	250 kcmil - 500 kcmil	2 Str - 250 kcmil	5/8" - 3/4" Rod	#5 - 6 Rebar	2 Str - 250 kcmil	998 (1)	997 (1)	N/A	997 (1)	998 (1)			997 (1)	N/A	997 (1)
GGA-6	250 kcmil - 500 kcmil	250 kcmil - 500 kcmil	5/8" - 3/4" Rod	#5 - 6 Rebar	250 kcmil - 500 kcmil	1011 (3)	1011 (3)	N/A	N/A	1011 (3)			1011 (3)	N/A	N/A

GGA Series compression ground grid cross connector can be used to connect a copper ground grid system together or to connect a copper ground grid system to a copper clad ground rod.
They allow adjustment of each side of the connector prior to installation.
They are pre-filled with inhibiting compound and are suitable for direct burial.

Notes:
1. Either ILSCO or Burndy Type U and P Dies can be used to install this product.
2. ILSCO and Burndy Type U-dies are designed to be used in crimping tools that apply at least 12-tons of pressure. Crimping ILSCO connectors with U-type dies in tools with less than 12-tons of pressure results in connections that do not meet ILSCO's design requirements for the system. Tools with less than 12-tons of pressure should not be used with U-type dies.
3. Adapter is required when using ILSCO ILC-15, Greenlee RK1550, Thomas & Betts TBM15, BPLT15, Burndy Y45, Y46 or PAT46 crimp tools.
4. When used with ground rod/rebar, it is recommended to rough up the end of ground rod/rebar where GGA is to be placed. This provides good rotational resistance. Perform a "pre-crimp" on ground rod/rebar prior to installing GGA connector. Use an indent type of die such as ILSCO's ILD-PRECRIMP, Burndy's U2CABT (Die Index #348) or UPRECRIMP-12, -58, -34*.
5. Each side of the GGA Series may be rotated around the ground rod/rebar to any desired position before crimping.

* "U2CABT" and "UPRECRIMP" are registered trademarks TM of Burndy/FCI.

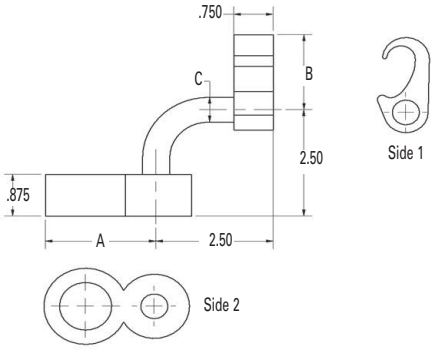
Compression Grounding
Figure 6 - 8 Grounding Grid

RoHS Compliant | UL LISTED 667P | CSA LR-5465

TYPE
GGB

Features
- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Each size accepts a wide range of cable sizes
- Side 1 & Side 2 can be rotated to any position before crimping
- UL Listed and CSA Certified for grounding and bonding
- Prefilled with DE-OX® oxide inhibiting compound
- TN in catalog number designates tin plated

Benefits
- Provides maximum conductivity
- Provides easy identification and tooling recommendation
- Application flexibility and reduced inventory
- Ease of installation
- Direct burial in earth or concrete
- Prevents oxides from forming
- For use with galvanized steel ground rod



Catalog Number	Commercial Copper Cable Range Side 1	Metric Copper Cable Range Side 1	Copper Weld Cable Range Side 1	Ground Rod Dia. Side 2	Rebar Side 2	Dimensions – in. (mm)		
						A	B	C
GGB-1	250kcmil (.575 dia.) thru 2str (.292 dia.)	120mm^2 (14.40mm dia.) thru 35mm^2 (7.62mm dia.)	248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.)	1/2″	#3	1 1.390 (35.3)	1.660 (42.2)	0.312 (7.9)
GGB-2	250kcmil (.575 dia.) thru 2str (.292 dia.)	120mm^2 (14.40mm dia.) thru 35mm^2 (7.62mm dia.)	248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.)	5/8″	#4	1.455 (37.0)	1.660 (42.2)	0.312 (7.9)
GGB-3	250kcmil (.575 dia.) thru 2str (.292 dia.)	120mm^2 (14.40mm dia.) thru 35mm^2 (7.62mm dia.)	248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.)	3/4″	#5	1.644 (41.8)	1.660 (42.2)	0.500 (12.7)
GGB-4	250kcmil (.575 dia.) thru 2str (.292 dia.)	120mm^2 (14.40mm dia.) thru 35mm^2 (7.62mm dia.)	248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.)	1″	#6-7	2.025 (51.4)	1.677 (42.6)	0.500 (12.7)
GGB-5	500kcmil (.813 dia.) thru 250kcmil (.575 dia.)	240mm^2 (20.35mm dia.) thru 120mm^2 (14.40mm dia.)	498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.)	1/2″	#3	1.390 (35.3)	2.075 (52.7)	0.312 (7.9)
GGB-6	500kcmil (.813 dia.) thru 250kcmil (.575 dia.)	240mm^2 (20.35mm dia.) thru 120mm^2 (14.40mm dia.)	498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.)	5/8″	#4	1.455 (37.0)	2.075 (52.7)	0.312 (7.9)
GGB-7	500kcmil (.813 dia.) thru 250kcmil (.575 dia.)	240mm^2 (20.35mm dia.) thru 120mm^2 (14.40mm dia.)	498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.)	3/4″	#5	1.644 (41.8)	2.075 (52.7)	0.500 (12.7)
GGB-8	500kcmil (.813 dia.) thru 250kcmil (.575 dia.)	240mm^2 (20.35mm dia.) thru 120mm^2 (14.40mm dia.)	498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.)	1″	#6-7	2.025 (51.4)	2.075 (52.7)	0.500 (12.7)
GGB-3TN	250kcmil (.575 dia.) thru 2str (.292 dia.)	120mm^2 (14.40mm dia.) thru 35mm^2 (7.62mm dia.)	248.8kcmil (.572 dia.) thru 91.65kcmil (.343 dia.)	3/4″	N/A	1.644 (41.8)	1.660 (42.2)	0.500 (12.7)
GGB-6TN	500kcmil (.813 dia.) thru 250kcmil (.575 dia.)	240mm^2 (20.35mm dia.) thru 20mm^2 (14.40mm dia.)	498.8kcmil (.810 dia.) thru 248.8kcmil (.572 dia.)	5/8″	N/A	1.455 (37.0)	2.075 (52.7)	0.312 (7.9)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL467, UL File E34440

Notes:
1. When used with ground rods, it is recommended to rough up the end of ground rod where GGB is to be placed. This provides good rotational resistance. **Perform a "pre-crimp" on ground rod prior to installing GGB connector. Use an indent type of die such as ILD-Precrimp.**

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INFORMATION SHEET GGB SERIES

Grounding and Bonding Equipment
Compression Connectors for Copper Conductors
Suiable for Direct Burial in Earth or Concrete

LISTED 667P

LR-5465

Side A Side B

Catalog Number	Side A			Side B	Installation Tools									
					ILSCO				UTILCO	Ridgid	Greenlee	Thomas & Betts	Burndy	
					ILC-12-N, ILC-12H-N, ILCB-12 Series, ILC-750, ILC-14 Series, ILC-15 Series, TM-12U1000, TR-12U1000, TB-12U1000 Series		ILC-12, ILC-12H		UM-U42, UR-U42, BLL-U42 Series	RE 12-M	EK1240, HK1240, RK1240, RK1550	13100A, TBM14 Series, TBM15 Series, BPLT14 Series, BPLT15 Series	Y45 Series, Y46 Series, PAT46 Series, Y750 Series, PAT750 Series	Y35 Series, Y39 Series
	Cu Ground Rod Size	Rebar Size	Galvanized Steel Ground Rod Size	Copper Wire Size	Die Index (# Crimps)		Die Index (# Crimps)		Die Index (# Crimps)					Die Index (# Crimps)
					Side A	Side B	Side A	Side B	Side A			Side B		Side A / Side B
GGB-1	1/2"	#3	-	2 - 250 kcmil	998 (1)	997 (1)	998 (1)	997 (1)	998 (1)			997 (1)		998 (1) / 997 (1)
GGB-2	5/8"	#4	-	2 - 250 kcmil	998 (1)	997 (1)	998 (1)	997 (1)	998 (1)			997 (1)		998 (1) / 997 (1)
GGB-3	3/4"	#5	-	2 - 250 kcmil	998 (1)	997 (1)	998 (1)	997 (1)	998 (1)			997 (1)		998 (1) / 997 (1)
GGB-3TN	-	-	3/4"	2 - 250 kcmil	998 (1)	997 (1)	998 (1)	997 (1)	998 (1)			997 (1)		998 (1) / 997 (1)
GGB-4	1"	#6 - 7	-	2 - 250 kcmil	998 (1)	997 (1)	N/A	997 (1)	998 (1)			997 (1)		N/A / 997 (1)
GGB-5	1/2"	#3	-	250 kcmil - 500 kcmil	998 (1)	998 (1)	998 (1)	N/A	998 (1)			998 (1)		998 (1) / N/A
GGB-6	5/8"	#4	-	250 kcmil - 500 kcmil	998 (1)	998 (1)	998 (1)	N/A	998 (1)			998 (1)		998 (1) / N/A
GGB-6TN	-	-	5/8"	250 kcmil - 500 kcmil	998 (1)	998 (1)	998 (1)	N/A	998 (1)			998 (1)		998 (1) / N/A
GGB-7	3/4"	#5	-	250 kcmil - 500 kcmil	998 (1)	998 (1)	998 (1)	N/A	998 (1)			998 (1)		998 (1) / N/A
GGB-8	1"	#6 - 7	-	250 kcmil - 500 kcmil	998 (1)	998 (1)	N/A	N/A	998 (1)			998 (1)		N/A / N/A

GGB Series compression ground grid cross connector can be used to connect a copper ground grid system together or to connect a copper ground grid system to a copper clad ground rod.
They allow adjustment of each side of the connector prior to installation.
They are pre-filled with inhibiting compound and are suitable for direct burial.

Notes:

1. Either ILSCO or Burndy Type U and P Dies can be used to install this product.
2. ILSCO and Burndy Type U-dies are designed to be used in crimping tools that apply at least 12-tons of pressure. Crimping ILSCO connectors with U-type dies in tools with less than 12-tons of pressure results in connections that do not meet ILSCO's design requirements for the system. Tools with less than 12-tons of pressure should not be used with U-type dies.
3. Adapter is required when using ILSCO ILC-15, Greenlee RK1550, Thomas & Betts TBM15, BPLT15, Burndy Y45, Y46 or PAT46 crimp tools.
4. When used with ground rod/rebar, it is recommended to rough up the end of ground rod/rebar where GGB is to be placed. This provides good rotational resistance. Perform a "pre-crimp" on ground rod/rebar prior to installing GGB connector. Use an indent type of die such as ILSCO's ILD-PRECRIMP, Burndy's U2CABT (Die Index # 348) or UPRECRIMP-12, -58, -34.*
5. Each side of the GGB Series may be rotated around the ground rod/rebar to any desired position before crimping.
6. GGB -TN Series are specifically designed to be used to with Galvanized Steel Ground Rod.

* "U2CABT" and "UPRECRIMP" are registered trademarks TM of Burndy/FCI.

Compression Grounding
Figure 6 Grounding Grid

RoHS Compliant | UL LISTED 667P | SA LR-5465

TYPE
GGC

Features
- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Range taking
- Versatile
- Non-hazardous installation
- Prefilled with DE-OX® oxide inhibiting compound
- Temperature Rating 90˚ C
- UL Listed and CSA Certified for grounding and bonding

Benefits
- Provides maximum conductivity
- Provides easy identification and tooling recommendation
- Reduces inventory. Eight sizes cover a wire range from 500kcmil to #6, and 1/2" to 3/4" ground rods.
- Can be used as a tap connector or as a lap splice connector
- Can be installed in all types of weather with no need for protective equipment or clothing. Does not produce heat or dangerous particles.
- Prevents oxides from forming
- Ensures reliability
- For direct burial in earth or concrete

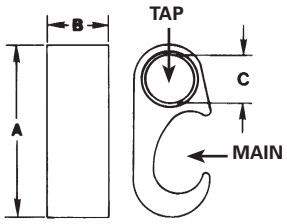

Fig. 1

Fig. 2

Catalog Number	Figure Number	Wire Range		Main Rebar	Main Ground Rod	Dimensions – in. (mm)			Die Index Number
		Main	Tap			A	B	C	
GGC-1	1	2str-6sol	2str-6sol	-	-	1.40 (35.6)	.75 (19.1)	.33 (8.4)	O
GGC-2	1	250kcmil-1/0str 1/2 - 5/8 Rod	2str-4sol	#3-4	1/2 - 5/8	2.10 (53.3)	.75 (19.1)	.33 (8.4)	997
GGC-3	1	250kcmil-1/0str 1/2 - 5/8 Rod	2/0str-1/0str	#3-4	1/2 - 5/8	2.10 (53.3)	.75 (19.1)	.44 (11.2)	997
GGC-4	1	250kcmil-1/0str 1/2 - 5/8 Rod	250kcmil-3/0str	#3-4	1/2 - 5/8	2.10 (53.3)	.75 (19.1)	.61 (15.5)	997
GGC-5	1	500kcmil-250kcmil 5/8 - 3/4 Rod	2str-4sol	#5-6	5/8 - 3/4	2.60 (66.0)	.75 (19.1)	.33 (8.4)	998
GGC-6	1	500kcmil-250kcmil 5/8 - 3/4 Rod	2/0str-1/0str	#5-6	5/8 - 3/4	2.60 (66.0)	.75 (19.1)	.44 (11.2)	998
GGC-7	1	500kcmil-250kcmil 5/8 - 3/4 Rod	250kcmil-3/0str	#5-6	5/8 - 3/4	2.60 (66.0)	.75 (19.1)	.61 (15.5)	998
GGC-8	1	500kcmil-250kcmil 5/8 - 3/4 Rod	500kcmil-350kcmil	#5-6	5/8 - 3/4	2.90 (73.7)	.75 (19.1)	.84 (21.3)	999/1011
GGC-9	2	250kcmil-1/0str 1/2 - 5/8 Rod	6str-6sol	#3-4	1/2 - 5/8	2.60 (66.0)	.75 (19.1)	-	997

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All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 467, UL File E34440
NOTE: Hydraulic tools required on all sizes except GGC-1 Dieless tools can not be used

The GGC Series compression ground tap connector can be used as a tap connector to connect copper ground wire to a copper clad ground rod or as a lap splice connector splicing copper conductors together. The GGC Series of compression connectors are pre-filled with inhibiting compound and are suitable for direct burial.

Notes:
1. ILSCO ILC-12 or ILC-15 Series Tools and ILD Series Dies may be used. Note: Adapter required when using ILC-15 Series Tool. Burndy tools and dies may also be used.
2. Perform a "pre-crimp" on ground rod prior to installing GGC connector. Use an indent type of die such as ILD-Precrimp.
3. When using #6 AWG solid wire in the tap side, fold conductor double prior to crimping.
4. When using GGC-4, if 3/0 conductor is used in the tap side, use a minimum of 2/0 conductor in the run side.

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Compression Grounding
Copper E Crimps

RoHS Compliant

UL LISTED 667P

CSA AP-5465

TYPE
ELT

Features
- Manufactured from copper alloy
- Clearly marked with wire size and die index
- Range taking
- UL Listed and CSA Certified for grounding and bonding
- May be used in ground grid applications

Benefits
- Provides maximum conductivity
- Provides easy identification and tooling recommendation
- Reduces inventory
- For direct burial in earth or concrete
- Flexibility in application

Catalog Number	Copper Wire Range		Width - in (mm)	Die Index	Rebar		Main Ground Rod
	Main	Tap			Main	Tap	
ELT-1	2str-6sol	2str-6sol	.750 (19.1)	C (U Type)	-	-	-
ELT-4	2/0str-1str	2str-6str	.750 (19.1)	0 (U Type)	#3	-	-
ELT-2	2/0str-1str	2/0str-1str	.750 (19.1)	0 (U Type)	#3	#3	-
ELT-5	250kcmil-3/0str	2/0str-6sol	.750 (19.1)	997 (U Type)	#4	#3	1/2"
ELT-3	250kcmil-3/0str	250kcmil-3/0str	.900 (22.9)	997 (U Type)	#4	#4	1/2"
ELT-6	500kcmil-300kcmil	250kcmil-3/0str	.875 (22.2)	1011 (U Type)	#6	#3-#4	3/4"
ELT-7	2/0str-6sol	2/0str-6sol	.875 (22.2)	1011 (U Type)	#5	#3-#4	5/8"
ELT-8	500kcmil-300kcmil	500kcmil-300kcmil	.875 (22.2)	1011 (U Type)	#5-#6	#5-#6	5/8"

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INFORMATION SHEET ELT SERIES

Grounding and Bonding Equipment
Grounding Crimp Connectors for Copper Conductors
Suiable for Direct Burial in Earth or Concrete

Catalog Number	Main (Cu Wire, Rebar or Cu Ground Rod size)	Tap (Cu Wire or Rebar size)	Installation Tools							
			ILSCO		UTILCO	Ridgid	Greenlee	Thomas & Betts	Burndy	
			ILC-12-N, ILC-12H-N, ILCB-12 Series, ILC-750, ILC-14 Series, ILC-15 Series, TM-12U1000, TR-12U1000, TB-12U1000 Series	ILC-12, ILC-12H	UM-U42, UR-U42, BLL-U42 Series	RE 12-M	EK1240, HK1240, RK1240, RK1550	13100A, TBM14 Series, TBM15 Series, BPLT14 Series, BPLT15 Series	Y45 Series, Y46 Series, PAT46 Series, Y750 Series, PAT750 Series	Y35 Series, Y39 Series
			Die Index (# Crimps)	Die Index (# Crimps)	Die Index (# Crimps)					Die Index (# Crimps)
ELT-1	2 Str - 6 Sol	2 Str - 6 Sol	C (1)	C (1)	C (1)					C (1)
ELT-2	2/0 Str - 1 Str, #3 Rebar	2/0 Str - 1 Str, #3 Rebar	O (1)	O (1)	O (1)					O (1)
ELT-3	250 kcmil - 3/0 Str, #4 Rebar, 1/2" Ground Rod	250 kcmil - 3/0 Str, #4 Rebar	997 (1)	997 (1)	997 (1)					997 (1)
ELT-4	2/0 Str - 1 Str, #3 Rebar	2 Str - 6 Sol	O (1)	O (1)	O (1)					O (1)
ELT-5	250 kcmil - 3/0 Str, #4 Rebar, 1/2" Ground Rod	2/0 Str - 6 Sol, #3 Rebar	997 (1)	997 (1)	997 (1)					997 (1)
ELT-6	500 kcmil - 300 kcmil, #6 Rebar, 3/4" Ground Rod	250 kcmil - 3/0 Str, #3 - #4 Rebar	1011 (2)	N/A	1011 (2)					N/A
ELT-7	500 kcmil - 300 kcmil, #5 Rebar, 5/8" Ground Rod	2/0 Str - 6 Sol, #3 - #4 Rebar	1011 (2)	N/A	1011 (2)					N/A
ELT-8	500 kcmil - 300 kcmil, #5 - #6 Rebar, 5/8" Ground Rod	500 kcmil - 300 kcmil, #5 - #6 Rebar	1011 (2)	N/A	1011 (2)					N/A

Notes:

1. Either ILSCO or Burndy Type U and P Dies can be used to install this product.
2. ILSCO and Burndy Type U-dies are designed to be used in crimping tools that apply at least 12-tons of pressure. Crimping ILSCO connectors with U-type dies in tools with less than less than 12-tons of pressure results in connections that do not meet ILSCO's design requirements for the system. Tools with less than 12-tons of pressure should not be used with U-type dies.
3. Adapter is required when using ILSCO ILC-15, Greenlee RK1550, Thomas & Betts TBM15, BPLT15, Burndy Y45, Y46 or PAT46 crimp tools.

Direct Burial Copper Mechanical Lugs

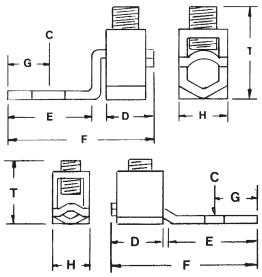
RoHS Compliant

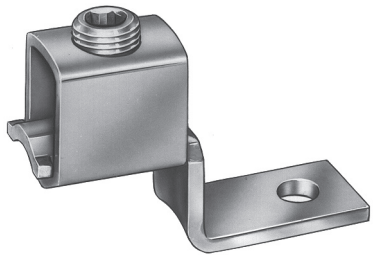
UL LISTED 667P

TYPE SLU

Features
- Manufactured from electrolytic copper tubing and strip stock
- Compact design
- Range taking
- Re-usable
- UL Listed
- V-bottom collar

Benefits
- Provides maximum conductivity and strength
- Saves space and reduces installation time
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Suitable for direct burial in earth or concrete
- Wires are wedged between arched pressure bar and collar establishing positive contact and firm permanent grip





Catalog Number	Wire Range Copper	Bolt Size	Dimensions							Hex Size
			C	D	E	F	G	H	T	
SLU-35DB	6-14 & List Comb. (A)	#10	13/64	7/16	15/32	1-3/16	7/32	3/8	3/4	Slot
SLU-70DB	2-8 & List Comb. (B)	1/4	17/64	1/2	21/32	1-17/32	1/4	1/2	1	Slot

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
(A) UL Listed wire combinations: (2) 14; (2) 12; (2) 10; (2) 8 and (4) 16
(B) UL Listed wire combinations: (2) 6 and (2) 8
Tested to UL 467, UL File E34440

TYPE XT

Features
- Manufactured from electrolytic copper tubing and strip stock
- Compact design
- Range taking
- Re-usable
- UL Listed

Benefits
- Provides maximum conductivity and strength
-
- Saves space and reduces installation time.
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Suitable for direct burial in earth or concrete

UL LISTED 667P

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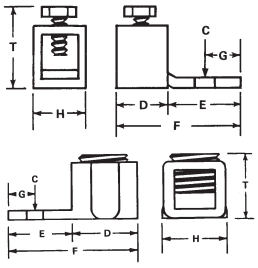
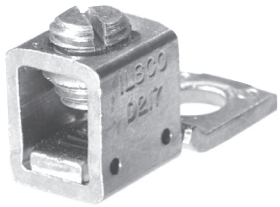




Catalog Number	Wire Range Copper	Bolt Size	Dimensions							Hex Size
			C	D	E	F	G	H	T	
XT-6DB	6-14	#10	13/64	3/8	17/32	1	7/32	3/8	3/4	Slot
XT-4DB	4-14 & List Comb. (A)	1/4	17/64	1/2	5/8	1-1/8	1/4	1/2	5/8	Slot

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
(A) UL Listed wire combinations: (2) 14; (2) 12; (2) 10; (2) 8 and (4) 16
Tested to UL 467, UL File E34440

Economy Ground Rod Clamps for Ground Rods

RoHS Compliant

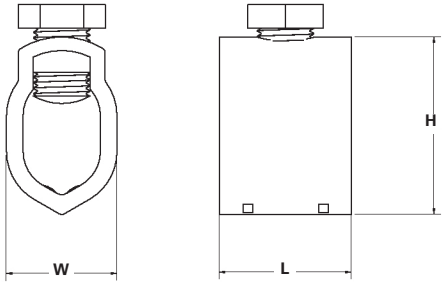
UL LISTED 667P

SA LR-29601

TYPE
CGRC

Features
- Manufactured from bronze alloy
- Supplied with stainless steel hardware
- UL 467 Listed for direct burial and CSA Certified

Benefits
- Ensures maximum strength and durability
- Suitable for direct burial in earth or concrete
- Ensures a safe and reliable grounding connection



Catalog Number	Ground Rod		Rebar		Dimensions – in. (mm)		
	Size	Wire Range	Size	Wire Range	W	H	L
CGRC-38 +	3/8	4-10	#3	4-10	0.472 (12.0)	1.025 (26.0)	0.695 (17.7)
CGRC-48	1/2	2-10	#4	2-10	0.615 (15.6)	1.220 (31.0)	0.775 (19.7)
CGRC-58	5/8	2-10	#5	4-10	0.625 (15.9)	1.370 (34.8)	0.930 (23.6)
CGRC-68	3/4	2-10	#6	4-10	0.645 (16.4)	1.543 (39.2)	1.118 (28.4)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
+ CGRC-38 is not UL Listed
Tested to UL 467, UL File E34440

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Ground Rod Clamps
for Ground Rods

RoHS Compliant

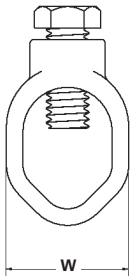
UL LISTED 667P

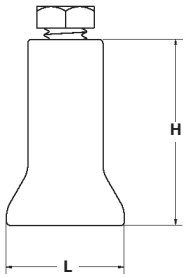
SA LR-29601

TYPE
BGRC

Features
- Manufactured from cast bronze
- Supplied with silicone bronze hardware
- UL 467 Listed for direct burial and CSA Certified

Benefits
- Ensures maximum strength and durability
- Suitable for direct burial in earth or concrete
- Ensures a safe and reliable grounding connection





Catalog Number	Ground Rod		Rebar		Dimensions – in. (mm)		
	Size	Wire Range	Size	Wire Range	W	H	L
BGRC-48	1/2	2-10	-	-	0.892 (22.7)	1.270 (32.3)	0.822 (26.2)
BGRC-58	5/8	1/0-8	#5	1/0-8	1.031 (26.2)	1.428 (36.3)	0.925 (23.5)
BGRC-68	3/4	1/0-8	-	-	1.031 (26.2)	1.550 (39.4)	1.040 (27.2)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 467, UL File E34440

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Ground Rod Clamps
for Ground Rods

RoHS Compliant

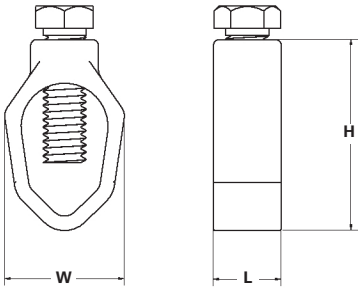
UL LISTED 667P

SA LR-29601

TYPE
SRC

Features
- Manufactured from bronze alloy
- Supplied with stainless steel hardware
- UL 467 Listed for direct burial and CSA Certified
- Range taking

Benefits
- Ensures maximum strength and superior conductivity
- Suitable for direct burial in earth or concrete
- Ensures a safe and reliable grounding connection
- Reduces inventory requirement



Catalog Number	Ground Rod		Dimensions – in. (mm)		
	Size	Wire Range	W	H	L
SRC-1/0	3/8*, 1/2, 5/8, 3/4	1/0 str - 10 sol 1/0 str - 8 sol	0.892 (22.7) 0.590 (15.0)	1.270 (32.3) 1.666 (42.3)	0.750 (19.1) 1.031 (26.2)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*SRC-1/0 is not UL Listed with a 3/8" ground rod
Tested to UL 467, UL File E34440

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Ground Rod Clamps

RoHS Compliant

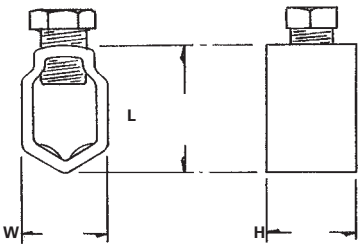
UL LISTED 667P

SA LR-29601

TYPE
GRC

Features
- Manufactured from seamless bronze tubing
- Supplied with silicon bronze screw
- Suitable for grounding and bonding in applications such as swimming pools and spas
- Copper conductor only

Benefits
- Provides maximum strength and superior conductivity
- Ground rod clamp is suitable for direct burial in earth or concrete



	Ground Rod		Rebar		Dimensions	
Catalog Number	**Size**	**Wire Range**	**Size**	**Wire Range**	**L**	**W**
GRC-58+	5/8	2-8	-	-	15/16	7/8
GRC-68	3/4, 5/8	2-8 for 3/4 rod, 1/0-8 for 5/8 rod	#5	1/0-8	1	1
GRC-75*	3/4	3/0-8	-	-	3/4	1-5/32

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Plain copper finish.
+ RUS Listed.
* Not UL Listed.
Tested to UL 467, UL File E34440

H

Grounding Connectors
For Copper Conductor Only

RoHS Compliant

UL LISTED 667P

SA LR-5465

TYPE
RLT

Features
- UL Listed and CSA certified for direct burial in earth or concrete
- Range taking
- Manufactured from high strength copper alloy
- Prefilled with DE-OX® oxide inhibitor compound and bagged
- Clearly marked with wire size and die index

Benefits
- Ensures reliability
- Reduces inventory
- Provides maximum conductivity and eliminates the possibility of corrosion
- Prevents oxides from forming
- Provides easy identification and tooling recommendations

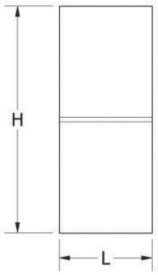


Fig. 1

Fig. 2

Fig. 3

Catalog Number	Figure Number	Ground Rod Size	Wire Range	Die Index	Dimensions – in. (mm)	
					H	L
RLT-2	1	1/2	2/0 - 2	998/1011	1.940 (49.3)	0.880 (22.4)
RLT-3	1	5/8	2/0 - 2	998/1011	1.970 (50.0)	0.880 (22.4)
RLT-4	1	3/4	2/0 - 2	998/1011	2.190 (55.6)	0.880 (22.4)
RLT-10	1	1	2/0 - 2	998/1011	2.440 (62.0)	0.880 (22.4)
RLT-5	1	1/2	250kcmil - 4/0	998/1011	1.940 (49.3)	0.880 (22.4)
RLT-6	1	5/8	250kcmil - 4/0	998/1011	2.140 (54.4)	0.880 (22.4)
RLT-7	1	3/4	250kcmil - 4/0	998/1011	2.190 (55.6)	0.880 (22.4)
RLT-11	1	1	250kcmil - 4/0	998/1011	2.570 (65.3)	0.880 (22.4)
RLT-8	1	5/8	500kcmil - 300kcmil	998/1011	2.140 (54.4)	0.880 (22.4)
RLT-9	1	3/4	500kcmil - 300kcmil	998/1011	2.440 (62.0)	0.880 (22.4)
RLT-12	1	1	500kcmil - 300kcmil	998/1011	2.680 (68.1)	0.880 (22.4)
RLT-13	2	5/8	2 SOL	998/1011	2.140 (54.4)	0.880 (22.4)
RLT-4TN*	3	3/4	2/0 - 2	998/1011	2.191 (55.7)	0.875 (22.2)
RLT-7TN*	3	3/4	250kcmil - 4/0	998/1011	2.191 (55.7)	0.875 (22.2)
RLT-8TN*	3	5/8	500kcmil - 300kcmil	998/1011	2.142 (54.4)	0.875 (22.2)
RLT-9TN*	3	3/4	500kcmil - 300kcmil	998/1011	2.432 (61.8)	0.875 (22.2)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 467, UL File E34440
* All suffix "TN" parts electro-tin plated; to be specifically used with galvanized steel ground rod. The ground rod hole diameter is larger to suit galvanized steel.

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INFORMATION SHEET (RLT, RLT-TN SERIES)

Grounding and Bonding Equipment
Compression Connectors for Copper Conductors
Suiable for Direct Burial in Earth or Concrete

Catalog Number	Copper Ground Rod Size	Galv. Steel Ground Rod Size	Copper Wire Range	Installation Tools: ILSCO: ILC-12-N, ILC-12H-N, ILCB-12 Series, ILC-14 Series, TM-12U1000, TR-12U1000, TB-12U1000 Series: Die 998 (# Crimps)	ILSCO: ILC-750: Die 998 (# Crimps)	ILSCO: ILC-750: Die 1011 (# Crimps)	ILSCO: ILC-15 Series: Die 998 (# Crimps)	ILSCO: ILC-15 Series: Die 1011 (# Crimps)	ILSCO: ILC-12, ILC-12H: Die 998 (# Crimps)	UTILCO: UM-U42, UR-U42, BLL-42 Series: Die 998 (# Crimps)	Ridgid: RE 12-M: Die 998 (# Crimps)	Greenlee: EK1240, HK1240, RK1240: Die 998 (# Crimps)	Greenlee: RK1550: Die 998 (# Crimps)	Greenlee: RK1550: Die 1011 (# Crimps)	Thomas & Betts: 13100A, TBM14 Series, TBM15 Series, BPLT14 Series, BPLT15 Series: Die 998 (# Crimps)	Thomas & Betts: 13100A, TBM14 Series, TBM15 Series, BPLT14 Series, BPLT15 Series: Die 1011 (# Crimps)	Burndy: Y750 Series, PAT750 Series: Die 998 (# Crimps)	Burndy: Y750 Series, PAT750 Series: Die 1011 (# Crimps)	Burndy: Y45 Series, Y46 Series, PAT46 Series: Die 998 (# Crimps)	Burndy: Y45 Series, Y46 Series, PAT46 Series: Die 1011 (# Crimps)	Burndy: Y35 Series, Y39 Series: Die 998 (# Crimps)
RLT-2	1/2	-	#2 - 2/0 AWG	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-3	5/8	-	#2 - 2/0 AWG	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-4	3/4	-	#2 - 2/0 AWG	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-5	1/2	-	4/0 AWG - 250 kcmil	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-6	5/8	-	4/0 AWG - 250 kcmil	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-7	3/4	-	4/0 AWG - 250 kcmil	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-8	5/8	-	300 - 500 kcmil	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-9	3/4	-	300 - 500 kcmil	1	1	2	1	2	N/A	1	1	1	1	2	1	2	1	2	1	2	N/A
RLT-10	1	-	#2 - 2/0 AWG	1	1	2	1	2	N/A	1	1	1	1	2	1	2	1	2	1	2	N/A
RLT-11	1	-	4/0 AWG - 250 kcmil	1	1	2	1	2	N/A	1	1	1	1	2	1	2	1	2	1	2	N/A
RLT-12	1	-	300 - 500 kcmil	1	1	2	N/A	2	N/A	1	1	1	N/A	2	1	2	1	2	N/A	2	N/A
RLT-13	5/8	-	#2 AWG Sol	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-4TN	-	3/4	#2 - 2/0 AWG	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-7TN	-	3/4	4/0 AWG - 250kcmil	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-8TN	-	5/8	300 - 500 kcmil	1	1	2	1	2	1	1	1	1	1	2	1	2	1	2	1	2	1
RLT-9TN	-	3/4	300 - 500 kcmil	1	1	2	1	2	N/A	1	1	1	1	2	1	2	1	2	1	2	N/A

RLT Series of compression connectors are designed to connect a copper ground conductor to a copper clad ground rod.
RLT-TN Series of compression connectors are designed to connect a copper ground conductor to a galvanized steel ground rod.
Both RLT and RLT-TN Series of compression connectors are pre-filled with inhibiting compound and are suitable for direct burial.

Notes:
1. Either ILSCO or Burndy Type U and P Dies can be used to install this product.
2. ILSCO and Burndy Type U-dies are designed to be used in crimping tools that apply at least 12-tons of pressure. Crimping ILSCO connectors with U-type dies in tools with less than 12-tons of pressure results in connections that do not meet ILSCO's design requirements for the system. Tools with less than 12-tons of pressure should not be used with U-type dies.
3. Adapter is required when using ILSCO ILC-15, Greenlee RK1550, Thomas & Betts TBM15, BPLT15, Burndy Y45, Y46 or PAT46 crimp tools.
4. It is recommended to rough up the end of the ground rod where the RLT or RLT-TN is to be placed. This provides good rotational resistance. Perform a "pre-crimp" on ground rod prior to installing RLT or RLT-TN connector. Use an indent type of die such as ILSCO's ILD-PRECRIMP, Burndy's U2CABT (Die Index # 348) or UPRECRIMP-12, -58, -34*.
5. Both RLT and RLT-TN Series may be rotated around the rod to any desired position before crimping.

* "U2CABT" and "UPRECRIMP" are registered trademarks TM of Burndy/FCI

Cast Brass Ground Clamp

RoHS Compliant

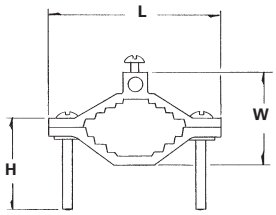
UL LISTED 8M24

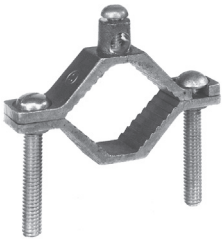
SA LR-701570

TYPE
BGC

Features
- Manufactured from cast brass
- Type BGC-DB supplied with stainless steel or silicon bronze hardware
- •Copper conductor only

Benefits
- Provides maximum conductivity and strength
- BGC-1DB and BGC-2DB are suitable for direct burial in earth or concrete. Can be used to ground swimming pools and spas.





Catalog Number	Pipe Size	Ground Wire Range	Dimensions		
			L	W	H
BGC-1	1/2, 3/4, 1	2-10	2-9/32	1-7/16	1-1/2
BGC-2	1-1/4, 1-1/2, 2	2-10	3-9/16	2-1/4	2
BGC-1DB*	1/2, 3/4, 1	2-10	2-9/32	1-7/16	1-1/2
BGC-2DB*	1-1/4, 1-1/2, 2	2-10	3-8/16	2-1/4	2

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* Suitable for direct burial in earth or concrete. UL467
UL File E158587

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Cast Bronze Ground Clamps

RoHS Compliant

UL LISTED 8M24

TYPE
BGDB

Features
- Manufactured from bronze alloy
- UL Listed for direct burial in earth or concrete
- Lay-In feature

Benefits
- Ensures maximum strength and superior conductivity
- Ensures reliability
- Reduces installation time

Fig. 1

Fig. 2

Fig. 3

Fig. 4

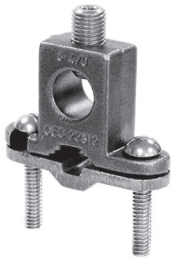


Fig. 5

Catalog Number	Figure Number	Pipe Size	Rebar Size	Ground Rod		Screw Material	Dimensions	
				Size	Wire Range		W	L
BGC-2T-DB*	1	1/2-1	3/8-1	1/2-1	2str-10sol	silicon bronze	2-3/4	2-1/4
BGC-2P-DB*	2	1/2-1	3/8-1	1/2-1	2str-10sol	silicon bronze	2-3/4	2-1/4
BGC-2PS-DB+	3	1/2-1	3/8-1	1/4-1	2str-10so 2 #8sol I	stainless steel	2-1/4	2-1/4
BGC-4/0P-DB=‡‡	4	1/2-1	3/8-1	1/2-1	4/0-8str	stainless steel	3	2-1/4
BGC-4/0S-DB=‡‡	5	1/2-1	3/8-1	1/2-1	4/0-8str	stainless steel	2-3/4	2-1/4

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* UL File E207816
+ UL File E198108
= UL File E178441
‡‡ Not RoHS compliant

H

Bronze, Service Post Connectors
Single Conductor Type - Short Stud, Male

RoHS Compliant

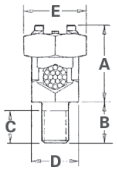
LISTED 8M24

AP-100973-1

TYPE
SPS

Features
- Range taking
- Re-usable
- UL 486A/B and UL 467 Listed
- For grounding of steel structures, fence posts and tapping cables from bus bar
- For copper to copper connections

Benefits
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Ensures reliability
- Flexibility in the field



Catalog Number	Conductor Range AWG MM ^{2}				Maximum Diameter Range	Stud Size	Dimensions				
	Stranded		Solid								
	Max.	Min.	Max.	Min.			A	B	C	D	E
SPSS-0	8	12 (4mm^2)	8 (10mm^2)	12 (4mm^2)	.146-.080	1/4-20 x 1/2	11/16	1/2	55/64	15/32	1/2
SPSS-1	7 (10mm^2)	10 (6mm^2)	6 (10mm^2)	10 (6mm^2)	.170-.102	1/4-20 x 1/2	13/16	1/2	55/64	15/32	21/32
SPSS-2	5 (16mm^2)	10 (6mm^2)	4 (16mm^2)	10 (6mm^2)	.217-.102	5/16-18 x 5/8	15/16	5/8	53/64	17/32	23/32
SPSS-3	3 (25mm^2)	10 (6mm^2)	2 (35mm^2)	10 (6mm^2)	.271-.102	3/8-16 x 5/8	1/2	5/8	61/64	5/8	25/32
SPSS-4	1 (35mm^2)	8 (6mm^2)	2 (35mm^2)	8 (10mm^2)	.332-.128	3/8-16 x 5/8	1-1/16	5/8	61/64	11/16	7/8
SPSS-5	1/0 (50mm^2)	2 (35mm^2)	2 (35mm^2)	–	.385-.258	1/2-13 x 3/4	1-1/4	3/4	1-5/64	3/4	15/16
SPSS-6	2/0 (70mm^2)	2 (35mm^2)	2 (35mm^2)	–	.443-.258	1/2-13 x 3/4	1-13/32	3/4	1-5/64	7/8	1-1/16
SPSS-8	4/0 (95mm^2)	1 (35mm^2)	–	–	.570-.289	5/8-11 x 1	1-9/16	1	1-19/64	1	1-5/16
SPSS-9	350 (150mm^2)	1/0 (70mm^2)	–	–	.715-.373	5/8-11 x 1	2	1-1/4	1-19/64	1-5/16	1-11/16
SPSS-10	500 (240mm^2)	3/0 (95mm^2)	–	–	.840-.464	3/4-10 x 1-1/4	2-1/4	1-3/4	1-31/64	1-1/2	1-7/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

H

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Bronze, Service Post Connectors
Single Conductor Type - Long Stud, Male

RoHS Compliant

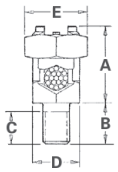
UL LISTED 8M24

SA AP-100973-1

TYPE
SPS

Features
- Range taking
- Re-usable
- UL 486A/B and UL 467 Listed
- For grounding of steel structures, fence posts and tapping cables from bus bar
- For copper to copper connections

Benefits
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Ensures reliability
- Flexibility in the field



Catalog Number	Conductor Range AWG MM ^{2}				Maximum Diameter Range	Stud Size	Dimensions				
	Stranded		Solid								
	Max.	Min.	Max.	Min.			A	B	C	D	E
SPSL-0	8	12 (4mm^2)	8 (10mm^2)	12 (4mm^2)	.146-.080	1/4-20 x 1	11/16	1	55/64	15/32	1/2
SPSL-1	7 (10mm^2)	10 (6mm^2)	6 (10mm^2)	10 (6mm^2)	.170-.102	1/4-20 x 1	13/16	1	55/64	15/32	21/32
SPSL-2	5 (16mm^2)	10 (6mm^2)	4 (16mm^2)	10 (6mm^2)	.217-.102	5/16-18 x 1	15/16	1	53/64	17/32	23/32
SPSL-3	3 (25mm^2)	10 (6mm^2)	2 (35mm^2)	10 (6mm^2)	.271-.102	3/8-16 x 1-1/8	1/2	1-1/8	61/64	5/8	25/32
SPSL-4	1 (35mm^2)	8 (6mm^2)	2 (35mm^2)	8 (10mm^2)	.332-.128	3/8-16 x 1-1/8	1-1/16	1-1/8	61/64	11/16	7/8
SPSL-5	1/0 (50mm^2)	2 (35mm^2)	2 (35mm^2)	–	.385-.258	1/2-13 x 1-1/4	1-1/4	1-1/4	1-5/64	3/4	15/16
SPSL-6	2/0 (70mm^2)	2 (35mm^2)	2 (35mm^2)	–	.443-.258	1/2-13 x 1-1/4	1-13/32	1-1/4	1-5/64	7/8	1-1/16
SPSL-8	4/0 (95mm^2)	1 (35mm^2)	–	–	.570-.289	5/8-11 x 1-1/2	1-9/16	1-1/2	1-19/64	1	1-5/16
SPSL-10	500 (240mm^2)	3/0 (95mm^2)	–	–	.840-.464	3/4-10 x 1-3/4	2-1/4	1-1/2	1-31/64	1-1/2	1-7/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

H

Bronze, Service Post Connectors
Double Conductor Type - Short Stud, Male

RoHS Compliant

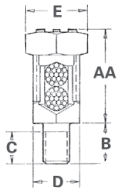
UL LISTED 8M24

AP-100973-1

TYPE
SPD

Features
- Range taking
- Re-usable
- UL 486A/B and UL 467 Listed
- For grounding of steel structures, fence posts and tapping cables from bus bar
- For copper to copper connections

Benefits
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Ensures reliability
- Flexibility in the field



Catalog Number	Conductor Range AWG MM 2				Maximum Diameter Range	Stud Size	Dimensions				
	Stranded		Solid								
	Max.	Min.	Max.	Min.			A	B	C	D	E
SPDS-0	8	12 (4mm^2)	8 (10mm^2)	12 (4mm^2)	.146-.080	1/4-20 x 1/2	13/16	1/2	55/64	15/32	1/2
SPDS-1	7 (10mm^2)	10 (6mm^2)	6 (10mm^2)	10 (6mm^2)	.170-.102	1/4-20 x 1/2	31/32	1/2	55/64	15/32	21/32
SPDS-2	5 (16mm^2)	10 (6mm^2)	4 (16mm^2)	10 (6mm^2)	.217-.102	5/16-18 x 5/8	1-1/8	5/8	53/64	17/32	23/32
SPDS-3	3 (25mm^2)	10 (6mm^2)	2 (35mm^2)	10 (6mm^2)	.271-.102	3/8-16 x 5/8	1-1/4	5/8	61/64	5/8	25/32
SPDS-4	1 (35mm^2)	8 (6mm^2)	2 (35mm^2)	8 (10mm^2)	.332-.128	3/8-16 x 5/8	1-3/8	5/8	61/64	11/16	7/8
SPDS-5	1/0 (50mm^2)	2 (35mm^2)	2 (35mm^2)	–	.385-.258	1/2-13 x 3/4	1-19/32	3/4	1-5/64	3/4	15/16
SPDS-6	2/0 (70mm^2)	2 (35mm^2)	2 (35mm^2)	–	.443-.258	1/2-13 x 3/4	1-13/16	3/4	1-5/64	7/8	1-1/16
SPDS-8	4/0 (95mm^2)	1 (35mm^2)	–	–	.570-.289	5/8-11 x 1	2-1/16	1	1-19/64	1	1-5/16
SPDS-9	350 (150mm^2)	1/0 (70mm^2)	–	–	.715-.373	5/8-11 x 1	2-3/4	1-1/4	1-19/64	1-5/16	1-11/16
SPDS-10	500 (240mm^2)	3/0 (95mm^2)	–	–	.840-.464	3/4-10 x 1-1/4	3-1/8	1-3/4	1-31/64	1-1/2	1-7/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

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Bronze, Service Post Connectors
Double Conductor Type - Long Stud, Male

RoHS Compliant

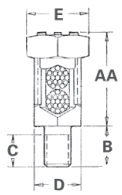
UL LISTED 8M24

SA AP-100973-1

TYPE
SPD

Features
- Range taking
- Re-usable
- UL 486A/B and UL 467 Listed
- For grounding of steel structures, fence posts and tapping cables from bus bar
- For copper to copper connections

Benefits
- Permits inventories to be kept to a minimum
- Provides efficient use and flexibility in the field
- Ensures reliability
- Flexibility in the field



Catalog Number	Conductor Range AWG MM 2				Maximum Diameter Range	Stud Size	Dimensions				
	Stranded		Solid								
	Max.	Min.	Max.	Min.			A	B	C	D	E
SPDL-0	8	12 (4mm^2)	8 (10mm^2)	12 (4mm^2)	.146-.080	1/4-20 x 1	13/16	1	55/64	15/32	1/2
SPDL-1	7 (10mm^2)	10 (6mm^2)	6 (10mm^2)	10 (6mm^2)	.170-.102	1/4-20 x 1	31/32	1	55/64	15/32	21/32
SPDL-2	5 (16mm^2)	10 (6mm^2)	4 (16mm^2)	10 (6mm^2)	.217-.102	5/16-18 x 1	1-1/8	1	53/64	17/32	23/32
SPDL-3	3 (25mm^2)	10 (6mm^2)	2 (35mm^2)	10 (6mm^2)	.271-.102	3/8-16 x 1-1/8	1-1/4	1-1/8	61/64	5/8	25/32
SPDL-4	1 (35mm^2)	8 (6mm^2)	2 (35mm^2)	8 (10mm^2)	.332-.128	3/8-16 x 1-1/8	1-3/8	1-1/8	61/64	11/16	7/8
SPDL-5	1/0 (50mm^2)	2 (35mm^2)	2 (35mm^2)	–	.385-.258	1/2-13 x 1-1/4	1-19/32	1-1/4	1-5/64	3/4	15/16
SPDL-6	2/0 (70mm^2)	2 (35mm^2)	2 (35mm^2)	–	.443-.258	1/2-13 x 1-1/4	1-13/16	1-1/4	1-5/64	7/8	1-1/16
SPDL-8	4/0 (95mm^2)	1 (35mm^2)	–	–	.570-.289	5/8-11 x 1-1/2	2-1/16	1-1/2	1-19/64	1	1-5/16
SPDL-9	350 (150mm^2)	1/0 (70mm^2)	–	–	.715-.373	5/8-11 x 1-1/2	2-3/4	1-1/2	1-19/64	1-5/16	1-11/16
SPDL-10	500 (240mm^2)	3/0 (95mm^2)	–	–	.840-.464	3/4-10 x 1-3/4	3-1/8	1-1/2	1-31/64	1-1/2	1-7/8

H

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E158587

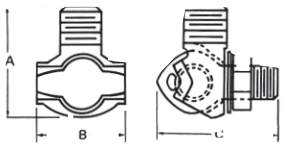
Bronze, Transformer Tank Ground Connectors

RoHS Compliant

TYPE
TTGC

Features
- Manufactured from bronze
- Eye bolt on TTGC2 rotates to accommodate cable in vertical or horizontal direction
- Range taking
- Stud fits all standard EEI-NEMA distribution
- transformers

Benefits
- Provides maximum strength and superior conductivity
- Flexibility
- Permits inventories to be kept to a minimum
- Reliability



Catalog Number	Conductor Range		Stud Thread Size UNC - 2A	Dimensions		
	Max.	Min.		A	B	C
TTGC2	2/0	8 sol	1/2-13	1-51/64	1-9/64	1-21/32
TTGC3	1 str	10 sol	1/2-13	1-3/8	1-3/64	1-9/16
TTGC4+	1 str	10 sol	1/2-13	1-1/4	7/8	1-3/8
TTGC2TN+	2/0	8 sol	1/2-13	1-51/64	1-9/64	1-21/32
TTGC3TN*	1 str	10 sol	1/2-13	1-3/8	1-3/64	1-9/16
TTGC4TN*	1 str	10 sol	1/2-13	1-1/4	7/8	1-3/8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
+ RUS Listed
* Tin Plated

H

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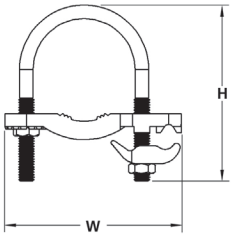
Bronze Waterpipe Ground Clamp

TYPE
GPL3

Features
- Range taking
- Cable clamp rotates
- Silicon bronze hardware
- UL 467 Listed

Benefits
- Inventory reduction
- Allows ground conductor to be attached parallel to pipe or at 90˚
- Corrosion resistant
- Suitable for direct burial in earth or concrete



Catalog Number	Ground Wire Range	IPS Pipe Size	Dimensions		Fits Pipe O.D. Range
			W	H	
GPL3902BU	4 - 4/0	1/2 - 1	3.250	3.500	.840 - 1.32
GPL3903BU	4 - 4/0	1-1/4 - 2	4.250	4.000	1.66 - 2.38
GPL3904BU	4 - 4/0	2-1/2 - 3-1/2	5.000	6.500	2.88 - 4.00
GPL3905BU	4 - 4/0	4 - 5	7.500	7.500	4.50 - 5.56
GPL3906BU	4 - 4/0	6	8.625	8.500	6.62
GPL3907BU	4 - 4/0	8	10.625	10.000	8.62
GPL3908BU	4 - 4/0	10	12.750	12.000	10.75
GPL3909BU	4 - 4/0	12	14.750	14.000	12.75

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
UL File E34440

H

Copper Lay-In Ground Lug
Direct Burial

RoHS Compliant

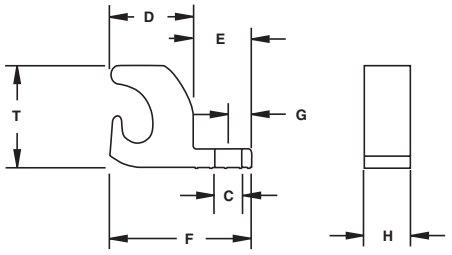
UL LISTED 667P

SA LR-29601

TYPE
CGBL

Features
- Lay-in feature
- Manufactured from high strength copper
- Stainless steel hardware
- Meets or exceeds NEC 680.7 requirements

Benefits
- Provides ease of installation of continuous loop grounding conductor
- Suitable for direct burial and for use with copper conductors
- Resists oxidation and corrosion in earth or concrete
- Pool equipment bonding in corrosive environments



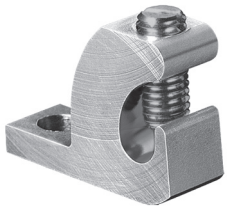


Fig. 1

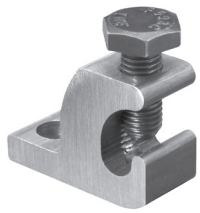


Fig. 2

Catalog Number	Figure Number	Ground Wire Range	Bolt Size	Dimensions							Screw Type
				C	D	E	F	G	H	T	
GBL-4DB	1	4-14	10	.218	.680	.470	1.150	.190	.375	.825	Slot
GBL-4DB-14	1	4-14	1/4	.265	.680	.470	1.150	.210	.472	.825	Slot
*+ GBL-4DBT	1	4-14	10	.218	.680	.470	1.150	.190	.375	.825	Slot
* GBL-4DBT-14	1	4-14	1/4	.265	.680	.470	1.150	.210	.472	.825	Slot
*+ GBL-4DBTH	2	4-14	10	.218	.680	.470	1.150	.190	.375	.825	Hex
* GBL-4DBTH-14	2	4-14	1/4	.265	.680	.470	1.150	.210	.472	.825	Hex

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 467, UL File E34440
* T indicates tin plating
+ GBL-4DBT and GBL-4DBTH are UL2703 Listed UL E354420 Vol. 2
Optional MH Series mounting hardware kits available, consult ILSCO
680.7 Grounding and Bonding Terminals. Grounding and bonding terminals shall be identified for use in wet and corrosive environments. Field-installed grounding and bonding connections in a damp, wet or corrosive environment shall be composed of copper, copper alloy, or stainless steel. They shall be listed for direct burial use.

H

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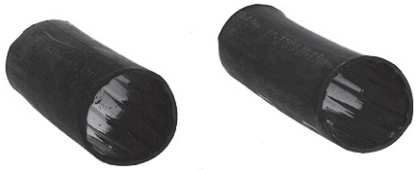
Heat Shrinkable Products

ILSCO connections matter

SILICONE TAPE – SFT

385

HEAVY WALL



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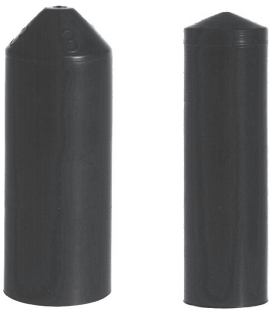
END CAPS



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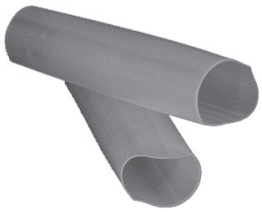
MEDIUM WALL



388

THIN WALL

389

BULK REELS

390

HEAT GUN

391

Silicone Tape Wrap 'N Seal

RoHS Compliant

UL LISTED 8M24

SA AP-100973-1

TYPE
SFT

Features
- Self fusing
- 700 PSI tensile strength
- Insulates 8,000 volts per layer
- Withstands 500˚ F
- Flexible at -85˚ F
- Mil-Spec-I – 46852

Wrap 'N Seal Silicone Tape is a self-fusing silicone tape suitable for many applications, including wrapping electrical connections and wire harnesses. The silicone tape only bonds to itself with no adhesive mess. It conforms to any shape and withstands UV rays, acids and fuels. Once wrapped, it bonds immediately, forming a permanent air and watertight seal. It becomes permanently fused in 24 hours.

Catalog Number	Color	W	L
9200	White	1″	20′
99201	Red	1″	20′
99202	Black	1″	20′
99205	Green	1″	20′
99206	Blue	1″	20′
99207	Yellow	1″	20′
99208	Clear	1″	20′
99209	Glow in the Dark	1″	20′
99211	Gray	1″	20′
99212	Orange/Red	1″	20′

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Heat Shrinkable Tubing
Heavy Wall with Adhesive Liner

RoHS Compliant

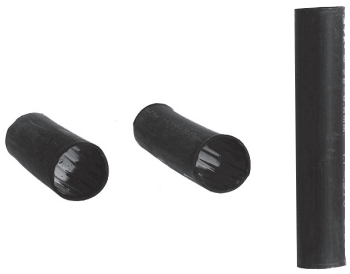
UL LISTED 8M24

SA AP-100973-1

TYPE
Heavy Wall

Features
- 3:1 shrink ratio
- UL Listed 486D and CSA Certified for 600 volts
- Inner adhesive liner
- Flame retardant

Benefits
- Provides a wide range of coverage when used on connectors and cable
- Ensures reliability for insulating terminations and splices
- Melts to form intimate contact with part to seal out elements and produce a watertight seal suitable for above ground, direct burial and underwater applications
- Meets Mil Spec 23053/15 rigid requirements for flame retardancy



Catalog Number	Wire Range	Exp. Id.	Rec. Id.	Recovered Wall Thickness	L
21106-B3*	6-14	0.400	0.150	0.060	6"
21112-B3*	6-14	0.400	0.150	0.060	12"
21206-B3	1-8	0.750	0.220	0.090	6"
21209-B3	1-8	0.750	0.220	0.090	9"
21212-B3	1-8	0.750	0.220	0.090	12"
21230	1-8	0.750	0.220	0.090	30"
21406-B2	4/0-2	1.100	0.375	0.120	6"
21409-B2	4/0-2	1.100	0.375	0.120	9"
21412-B2	4/0-2	1.100	0.375	0.120	12"
21448	4/0-2	1.100	0.375	0.120	48"
21609-B2	400kcmil-4/0	1.500	0.500	0.140	9"
21612-B2	400kcmil-4/0	1.500	0.500	0.140	12"
21648	400kcmil-4/0	1.500	0.500	0.140	48"
21709-B	1000kcmil-500kcmil	2.000	0.750	0.155	9"
21712-B	1000kcmil-500kcmil	2.000	0.750	0.155	12"
21748	1000kcmil-500kcmil	2.000	0.750	0.155	48"

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
*UL Listed wire range 12 - 6.
UL File E158587

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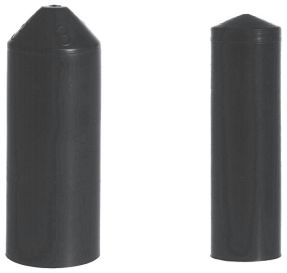
Heat Shrinkable End Caps
Heavy Wall with Adhesive Liner

RoHS Compliant

TYPE
Heavy Wall

Features
- 3:1 shrink ratio
- Inner adhesive liner
- Rated for 600 volts

Benefits
- Provides a wide range of coverage when used on connectors and cable
- Melts to form intimate contact with part to seal out elements and produce a watertight seal suitable for above ground, direct burial and underwater applications
- Ensures reliability



Catalog Number	Wire Range	Exp. Id.	Rec. Id.	Recovered Wall Thickness	L
23081-B2	4/0-8	.75	0.22	.08	3.5"
23125-B2	500kcmil-4/0	1.30	0.43	.08	4.5"
23210-B2	1000kcmil-400kcmil	2.05	0.75	.08	4.5"

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

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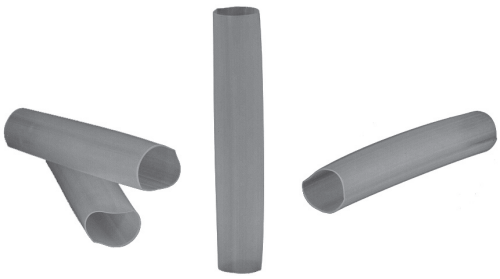
Heat Shrinkable Clear Tubing
Medium Wall with Adhesive Liner

RoHS Compliant

TYPE
Medium Wall

Features
- Clear tubing
- 2.5:1 shrink ratio
- Inner adhesive liner
- Rated for 600 volts

Benefits
- Provides convenient see through capability which gives assurance that termination was made properly after shrink process has been performed
- Provides a wide range of coverage when used on connectors and cable
- Melts to form intimate contact with part to seal out elements and produce a watertight seal suitable for above ground, direct burial and underwater applications
- Ensures reliability



Catalog Number	Wire Range	Exp. Id.	Rec. Id.	Recovered Wall Thickness	L
22106-B3	14-18	0.290	0.080	0.047	6"
22112-B3	14-18	0.290	0.080	0.047	12"
22206-B3	8-12	0.375	0.135	0.050	6"
22212-B3	8-12	0.375	0.135	0.050	12"
22306-B3	2-8	0.500	0.195	0.055	6"
22312-B3	2-8	0.500	0.195	0.055	12"
22406-B2	4/0-1	1.000	0.400	0.075	6"
22412-B2	4/0-1	1.000	0.400	0.075	12"

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

I

Heat Shrinkable Tubing
Thin Wall

RoHS Compliant

TYPE
Thin Wall

Features
- 2:1 shrink ratio
- UL Recognized and CSA Certified
- Rated for 600 volts
- Convenient disk dispenser

Benefits
- Provides a wide range of coverage when used on connectors and cable
- Assures product reliability for insulating and protecting terminations and splices
- Ensures reliability
- Protects tubing from damage and keeps it clean

Catalog Number	Wire Range	Exp. Id.	Rec. Id.	Recovered Wall Thickness	L
24001-B10	26-34	0.046	0.023	0.016	6"
24002-B10	24-30	0.063	0.031	0.017	6"
24003-B10	22-28	0.093	0.046	0.020	6"
24004-B10	20-26	0.125	0.062	0.020	6"
24005-B10	18-22	0.187	0.093	0.020	6"
24006-B10	14-16	0.250	0.125	0.025	6"
24007-B5	10-12	0.312	0.156	0.025	6"
24008-B5	6-8	0.375	0.187	0.025	6"
24009-B5	4-6	0.500	0.250	0.025	6"
24010-B5	2/0-2	0.750	0.375	0.030	6"
24011-B5	4/0-1	1.000	0.500	0.035	6"
24999-B12+	-	-	-	-	-
25001	26-34	0.046	0.023	0.016	96" Disk
25002	24-30	0.063	0.031	0.017	96" Disk
25003	22-28	0.093	0.046	0.020	96" Disk
25004	20-26	0.125	0.062	0.020	96" Disk
25005	18-22	0.187	0.093	0.020	96" Disk
25006	14-16	0.250	0.125	0.025	96" Disk
25007	10-12	0.3112	0.156	0.025	96" Disk
25008	6-8	0.375	0.187	0.025	96" Disk
25009	4-6	0.500	0.250	0.025	96" Disk
25010	2/0-2	0.750	0.375	0.030	96" Disk
25011	4/0-1	1.000	0.500	0.035	96" Disk

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
+ 24999-B12 contains 3 ea. 24005, 24006, 24008, 24009
UL File E158587

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Heat Shrinkable Tubing
Thin Wall

RoHS Compliant

AP-100973-1

TYPE
Thin Wall

Features
- 2:1 shrink ratio
- UL Recognized and CSA Certified
- Rated for 600 volts

Benefits
- Provides a wide range of coverage when used on connectors and cable
- Assures product reliability for insulating and protecting terminations and splices
- Ensures reliability

Catalog Number	Wire Range	Exp. Id.	Rec. Id.	Recovered Wall Thickness	Cut Length
26001	26-34	0.046	0.023	0.016	1000'
26002	24-30	0.063	0.031	0.017	1000'
26003	22-28	0.093	0.046	0.020	500'
26004	20-26	0.125	0.062	0.020	500'
26005	18-22	0.187	0.093	0.020	200'
26006	14-16	0.250	0.125	0.025	200'
26007	10-12	0.312	0.156	0.025	500'
26008	6-8	0.375	0.187	0.025	200'
26009	4-6	0.500	0.250	0.025	200'
26010	2/0-2	0.750	0.375	0.030	200'
26011	4/0-1	1.000	0.500	0.035	200'

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Heat Gun

RoHS Compliant

TYPE
Electric Heat Gun

Features
- Two temperature settings 750F and 1100F
- Three way switch OFF/HI/LO
- Built-in fold down stand
- 1200 Watt 120 V AC
- Heat deflector
- Impact resistant
- Six foot cord

Benefits
- Provides versatility in applying recommended heat, deliverable in seconds
- Aids in producing proper air flow from heat gun
- Provides hands free operation
- Provides high output of air and heat
- Allows for concentration of heat for rapid heat shrink process
- Provides extra durability in harsh environments
- Provides operator convenience

Catalog Number	Description
27001	Heat Gun, 11 Disks Thin Wall Heat Shrink varying sizes, 94145 Crimp Tool
94502	Electric Heat Gun 120v
94504	Replacement Adaptor for 94502

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TACCI 393	BCTI 394	BCTI 395	BCTI 396	BCTR 397 – 406
HDTI 407 – 408	MHCT 409 – 410	HRTI 411 – 412	HRCT 413 – 415	HPI 417 – 418
HPI ACCESSORIES 419	DIE KIT 420	COMPRESSION DIES AND ADAPTORS 421 – 423	MT-25 424	ND-58 425
ND-60 426	94285 427	ILC-10-N 428	94130, 94145 429	THT-SC-CC 430
WSI 431	WSI 432 – 436	CTRI 437	CTR-500, CTR-750 438	MECHANICAL TOOLS 439
			HEAT GUN 440	COMPRESSION INDEX 441 – 448

6 Ton Pressure Gauge

TASKMASTER TOOLS from ILSCO

RoHS Compliant

TYPE
TACCI

Features
- TaskMasterPRO five year tool warranty
- Measures force at point of crimp
- Fits directly into most W-Die taking tool jaws
- Assembled with cushioned gauge cover
- Sturdy molded carrying case
- Holds pressure reading
- Patent pending

Benefits
- Ensures confidence for durability & quality
- Shows actual force instead of calculation
- Ease of use and versatility
- Shock absorption to protect against damage
- Protection against damage and mis-calibration
- Confirms force, after releasing from tool

TPG-6T-I

Catalog Number	
TPG-6T-I	6 Ton Pressure Gauge Kit
SILGR-100ML	Replacement Silicone Grease 3.4 oz.
Specifications	
Weight	3.32 lbs.
Length	7.8"
Height	2.15″
Width	2.87"
Measuring Capability	6 tons

Kit Includes:
- Pressure Gauge
- Molded Carrying Case
- Silicone Grease (3.4 oz.)
- Specific Control Certification

For Use On:
TB-6WO500-I
TB-6WBG500-I
TB-6WD3500-I
Most battery powered 6 ton pincher design W-Die taking tool jaws

J

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TASKMASTER TOOLS from ILSCO

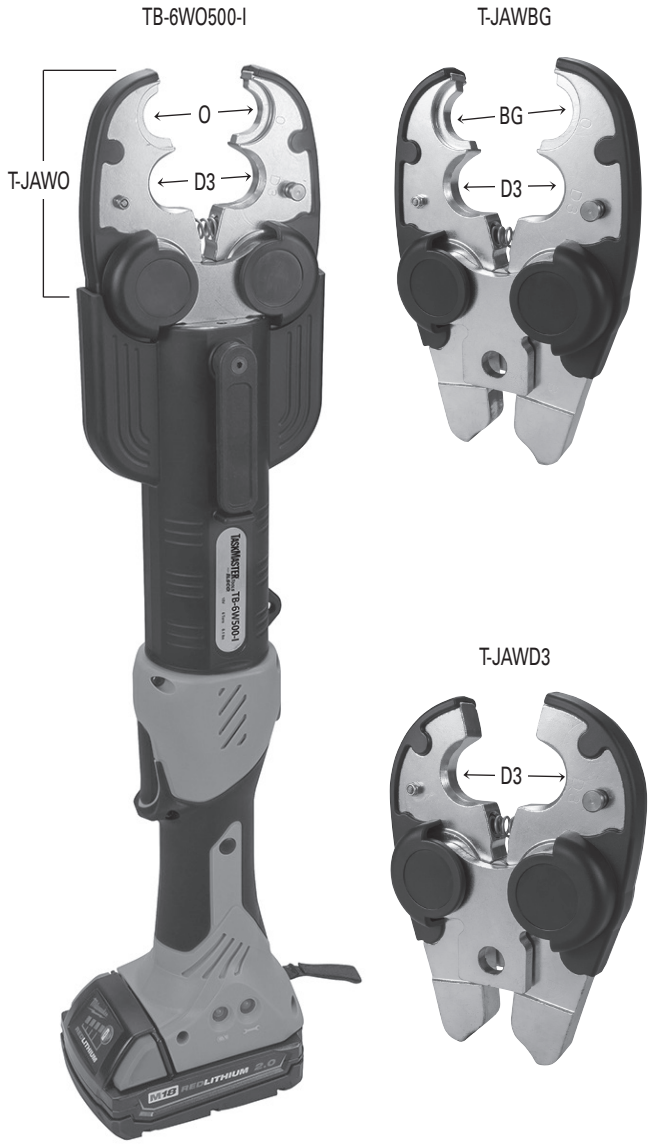
6-Ton Battery Powered In-Line Crimping Tool

RoHS Compliant

TYPE
BCTI

Features
- TaskMasterPRO five year tool warranty
- 18 V, 5.0 Ah Milwaukee® Li-ion battery, 3 year warranty
- Accepts all "W" and "X" type die
- Brush protection on tool head
- AutoRetract when 6 tons achieved
- DataTrack mini USB-port for connectivity
- Interchangeable heads with O, BG, D3 or no die
- 350˚ tool head rotation
- Right or left hand ergonomic non-slip cushioned grip
- Multifunction LED indication lights
- LED battery charge indicator
- Tested up to 75K volts

Benefits
- Ensures confidence for durability & quality
- Longevity
- Industry standard
- Protection against accidental contact with energized conductors
- Confirms complete crimp
- Capture output data for performance & service
- Application versatility
- Maneuverability
- Reduces fatigue and increases grip security
- Identifies condition and readiness of tool
- Job site battery management
- Can be used on energized lines



Catalog Number	
TB-6WO500-I	Tool Kit w/O-Nose Jaw
TB-6WO500-IX	Tool Kit w/o batteries and charger
TB-6WBG500-I	Tool Kit w/BG-Nose Jaw
TB-6WBG500-IX	Tool Kit w/o batteries and charger
TB-6WD3500-I	Tool Kit w/D3 Jaw
TB-6WD3500-IX	Tool Kit w/o batteries and charger
T-JAWO	Jaw only w/O-Nose & D3 Nest
T-JAWBG	Jaw only w/BG-Nose & D3 Nest
T-JAWD3	Jaw only w/D3 Nest

Specifications	
Force Developed	6 tons
Weight with 5.0 Ah battery	8.7 lbs.
Length	20"
Height	3.1"
Width	5.2"

Connector Range	
Lugs and Splices	500 kcmil - #8 Cu 350 kcmil - #8 Al
H-Taps	4/0 - 4/0 Al Max

Battery Life Estimates

Battery	Connector	Crimps
18V-2.0 Ah	4/0-4/0 Al H-Tap	120
18V-5.0 Ah	4/0-4/0 Al H-Tap	300

Kit Includes:
- Tool with Crimp Jaw
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger – 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- USB Cord
- Specific Control Certification

J

6-Ton Battery Powered Dieless Crimping Tool

TASKMASTER® TOOLS from ILSCO

RoHS Compliant

TYPE
BCTI

Features
- TaskMasterPRO five year tool warranty
- 18 V, 5.0 Ah Milwaukee® Li-ion battery, 3 year warranty
- 360° tool head rotation
- Right or left hand ergonomic non-slip cushioned grip
- LED work light
- LED battery charge indicator
- Variable speed trigger
- Dieless crimping operation
- Flip top head

Benefits
- Ensures confidence for durability & quality
- Longevity
- Maneuverability
- Reduces fatigue and increases grip security
- Illuminates work space
- Job site battery management
- Easier positioning on connector
- Versatility, works on large range of wire sizes
- Easy connector loading and unloading

TB-6DF1000-P

Catalog Number	
TB-6DF1000-P	Tool Kit
TB-6DF1000-PX	Tool Kit w/o batteries and charger
Specifications	
Force Developed	6 tons
Weight with 5.0 Ah battery	14 lbs.
Length	17"
Height	13"
Width	3.1"
Head opening	1.55"
Crimp Range	**Lugs & Splices**
CU Conductor	1000 kcmil - #8 sol/str
AL Conductor	750 kcmil - #8 str
Battery Life Estimates	**Number of Cycles**
18V DC - 5.0 Ah	200

Kit Includes:
- Tool
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger – 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

J

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TASKMASTER TOOLS from ILSCO — 12-Ton Battery Powered Pistol Grip Crimping Tool

RoHS Compliant

TYPE
BCTI

Features
- TaskMasterPRO five year tool warranty
- 18 V, 5.0 Ah Milwaukee® Li-ion battery, 3 year warranty
- Accepts "U" type dies
- 360° tool head rotation
- Right or left hand ergonomic non-slip cushioned grip
- LED work light
- LED battery charge indicator
- Variable speed trigger

Benefits
- Ensures confidence for durability & quality
- Longevity
- Flexibility in the field
- Maneuverability
- Reduces fatigue and increases grip security
- Illuminates work space
- Job site battery management
- Easier positioning on connector

TB-12U1000-P

Catalog Number	
TB-12U1000-P	Tool Kit
TB-12U1000-PX	Tool Kit w/o batteries and charger
Specifications	
Force Developed	12 tons
Weight with 5.0 Ah battery	15.9 lbs.
Length	16.4"
Height	13"
Width	3.1"
Jaw opening	1.65"
Crimp Range	**Lugs & Splices**
CU Conductor	1000 kcmil - #8 sol/str
AL Conductor	750 kcmil - #8 str
Battery Life Estimates	**Number of Cycles**
18V DC - 5.0 Ah	200

For Use With		
Aluminum Connectors	**Copper Connectors**	**Visual Identification**
Series: ALNS, ALND	Series: CLN4, CLN9, CLND, CLWU	
ALNN thru 750kcmil	CLNF, CLNN, CLNS	
Series: IACL, 2IACL thru 750kcmil	CLNU, CLWD, CLW4, CLW9	
* Series: 2ACL, 2ACN thru 750kcmil	CLWN, CLWS, CSND	
Series: ACL, ACN thru 750kcmil	CSNF, CSNS, CSLT	
	CSWD, CSWN, CSWS, CSW4, CSW9	
Series: *ASN, AS	CT, CTL	
CPM Series		
CPML Series		
ACO-90 Series		
ACM Series		
ACO Series		
AH 1-4		
* HT Series		
	GGA Series	
	GGB Series	
	ELT Series	
	GGC Series	
	ULT Series	
	RLT Series	

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Not UL Listed

Kit Includes:
- Tool
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger – 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

J

TASKMASTER Tools from ILSCO — Battery Powered Pistol Grip Cutting Tool

RoHS Compliant

TYPE
BCTR

Features
- TaskMasterPRO five year tool warranty
- 18 V, 5.0 Ah Milwaukee® Li-ion battery, 3 year warranty
- 360° tool head rotation
- Right or left hand ergonomic non-slip cushioned grip
- LED work light
- LED battery charge indicator
- Variable speed trigger
- Latch head design
- Heavy duty blades

Benefits
- Ensures confidence for durability & quality
- Longevity
- Maneuverability
- Reduces fatigue and increases grip security
- Illuminates work space
- Job site battery management
- Easier positioning of cut
- Secures conductor in place
- Able to cut through hard steel

TB-CUT25-P

Catalog Number	
TB-CUT25-P	Tool Kit
TB-CUT25-PX	Tool Kit w/o batteries and charger
BLDF-25HD	Replacement Fixed Blade
BLDM-25	Replacement Moving Blade
Specifications	
Force Developed	6.7 tons
Weight with 5.0 Ah battery	9.25 lbs.
Length	14"
Height	13"
Width	3"
Cutting Diameter	.98"
Cut Capacity (CU or AL)	**.98"**
ACSR	556 kcmil
Guy Wire	9/16"
Guy Wire (EHS)	9/16"
Ground Rod	5/8"
Rebar	#5 (5/8") Grade 40 For Grade 60, Consult Factory
Battery Life Estimates	**Number of Cycles**
18V DC – 5.0 Ah	340 Cycles

Kit Includes:
- Tool
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger – 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

J

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Battery Powered Pistol Grip Cutting Tool

TASKMASTER TOOLS from ILSCO

RoHS Compliant

TYPE
BCTR

Features
- TaskMasterPRO five year tool warranty
- 18 V, 5 Ah Milwaukee® Li-ion battery, 3 year warranty
- 350° tool head rotation
- Right or left hand ergonomic non-slip cushioned grip
- LED work light
- LED battery charge indicator
- Variable speed trigger
- Latch head design

Benefits
- Ensures confidence for durability & quality
- Longevity
- Easy maneuvering at any angle
- Reduces fatigue and increases grip security
- Illuminates work space
- Job site battery management
- Easier positioning of cut
- Secures conductor in place

TB-CUT45-P

Catalog Number	
TB-CUT45-P	Tool Kit
TB-CUT45-PX	Tool Kit w/o batteries and charger
BLDF-45	Replacement Fixed Blade
BLDM-45	Replacement Moving Blade
Specifications	
Force Developed	6.7 tons
Weight with 5.0 Ah battery	12 lbs.
Length	17"
Height	13"
Width	3"
Cutting Diameter	1.77"
Cut Capacity (CU or AL)	
ACSR	1590
Guy Wire	5/8"
Guy Wire (EHS)	1/2"
Ground Rod	5/8"
Rebar	#4 (1/2") Grade 60
Battery Life Estimates	**Number of Cycles**
18V DC – 5.0 Ah	320 Cycles

Kit Includes:
- Tool
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger – 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

J

TASKMASTER Tools from ILSCO — Battery Powered Pistol Grip Cutting Tool

RoHS Compliant

TYPE
BCTR

Features
- TaskMasterPRO five year tool warranty
- 18 V, 5.0 Ah Milwaukee® Li-ion battery, 3 year warranty
- 350° tool head rotation
- Right or left hand ergonomic non-slip cushioned grip
- LED work light
- LED battery charge indicator
- Variable speed trigger
- Latch head design

Benefits
- Ensures confidence for durability & quality
- Longevity
- Maneuverability
- Reduces fatigue and increases grip security
- Illuminates work space
- Job site battery management
- Easier positioning of cut
- Secures conductor in place

TB-CUT50CU-P

Catalog Number	
TB-CUT50CU-P	Tool Kit
TB-CUT50CU-PX	Tool Kit w/o batteries and charger
BLDF-50	Replacement Fixed Blade
BLDM-50	Replacement Moving Blade
Specifications	
Force Developed	6.7 tons
Weight with 5.0 Ah battery	12 lbs.
Length	17.5"
Height	13"
Width	3"
Cutting Diameter	1.96"
Cut Capacity (CU or AL)	
CU Conductor	1.9"
AL Conductor	1.9"
Lead Sheath	1.9"
Battery Life Estimates	**Number of Cycles**
18V DC - 5.0 Ah	300 Cuts

Kit Includes:
- Tool
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger – 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

J

DO NOT CUT:
ACSR Cable, Steel, Ground Rod, Rebar or Guy Wire

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TASKMASTER TOOLS from ILSCO — Battery Powered Pistol Grip Cutting Tool

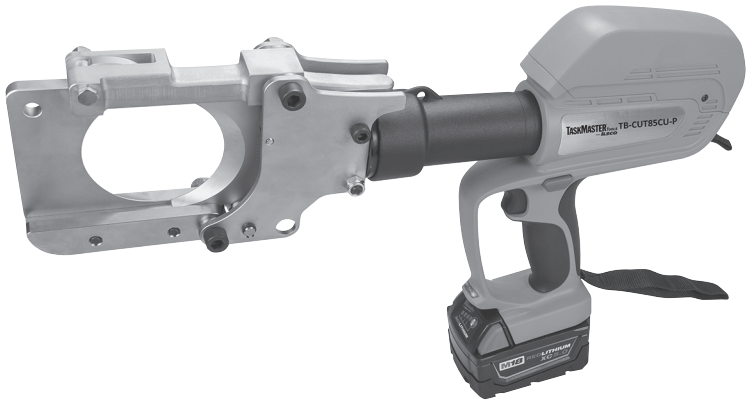
RoHS Compliant

TYPE
BCTR

Features
- TaskMasterPRO five year tool warranty
- 18 V, 5 Ah Milwaukee® Li-ion battery, 3 year warranty
- 350° tool head rotation
- Right or left hand ergonomic non-slip cushioned grip
- LED work light
- LED battery charge indicator
- Variable speed trigger
- Latch head design

Benefits
- Ensures confidence for durability & quality
- Longevity
- Easy maneuvering at any angle
- Reduces fatigue and increases grip security
- Illuminates work space
- Job site battery management
- Easier positioning of the cut
- Secures conductor in place

TB-CUT85CU-P



Catalog Number	
TB-CUT85CU-P	Tool Kit
TB-CUT85CU-PX	Tool Kit w/o batteries and charger
BLDF-85	Replacement Fixed Blade
BLDM-85	Replacement Moving Blade
Specifications	
Force Developed	7.8 tons
Weight with 5.0 Ah battery	14.8 lbs.
Length	20.5"
Height	13"
Width	3"
Cutting Diameter	3.3"
Cut Capacity (CU or AL)	
CU Conductor	3"
AL Conductor	3"
Lead Sheath	3"
Battery Life Estimates	**Number of Cycles**
18V DC - 5.0 Ah	280 Cycles

Kit Includes:
- Tool
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger – 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

J

DO NOT CUT:
ACSR Cable, Steel, Ground Rod, Rebar or Guy Wire

TASKMASTER® TOOLS from ILSCO

Battery Powered Pistol Grip Cutting Tool

RoHS Compliant

TYPE
BCTR

Features
- TaskMasterPRO five year tool warranty
- 18 V, 5 Ah Milwaukee® Li-ion battery, 3 year warranty
- 360° tool head rotation
- Right or left hand ergonomic non-slip cushioned grip
- LED work light
- LED battery charge indicator
- Variable speed trigger
- Scissor head design

Benefits
- Ensures confidence for durability & quality
- Longevity
- Easy maneuvering at any angle
- Reduces fatigue and increases grip security
- Illuminates work space
- Job site battery management
- Easier positioning of the cut
- One handed operation

TB-CUT65CU-PS

Catalog Number	
TB-CUT65CU-PS	Tool Kit
TB-CUT65CU-PSX	Tool Kit w/o batteries and charger
BLDS-65	Replacement Blade Assembly
BLDG-65	Replacement Blade Guide
Specifications	
Force Developed	4.9 tons
Weight with 5.0 Ah battery	16.75 lbs.
Length	19.75"
Height	13"
Width	3.4"
Cutting Diameter	2.5"
Cut Capacity (CU or AL)	
CU Conductor	1000 kcmil
AL Conductor	2.5"
Lead Sheath	2.5"
Battery Life Estimates	**Number of Cycles**
18V DC - 5.0 Ah	280 Cycles

Kit Includes:
- Tool
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger – 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

J

DO NOT CUT:
ACSR Cable, Steel, Ground Rod, Rebar or Guy Wire

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TASKMASTER TOOLS from ILSCO — Battery Powered Pistol Grip Cutting Tool

RoHS Compliant

TYPE
BCTR

Features
- TaskMasterPRO five year tool warranty
- 18 V, 5 Ah Milwaukee® Li-ion battery, 3 year warranty
- 360° tool head rotation
- Right or left hand ergonomic non-slip cushioned grip
- LED work light
- LED battery charge indicator
- Variable speed trigger
- Scissor head design

Benefits
- Ensures confidence for durability & quality
- Longevity
- Easy maneuvering at any angle
- Reduces fatigue and increases grip security
- Illuminates work space
- Job site battery management
- Easier positioning of the cut
- One handed operation

TB-CUT95CU-PS

Catalog Number	
TB-CUT95CU-PS	Tool Kit
TB-CUT95CU-PSX	Tool Kit w/o batteries and charger
BLDS-95	Replacement Blade Assembly
BLDG-95	Replacement Blade Guide
Specifications	
Force Developed	7.3 tons
Weight with 5.0 Ah battery	21.6 lbs.
Length	19.76"
Height	13"
Width	3.5"
Cutting Diameter	3.75"
Cut Capacity (CU or AL)	
CU Conductor	1000 kcmil
AL Conductor	3.5"
Lead Sheath	2.5"
Battery Life Estimates	**Number of Cycles**
18V DC - 5.0 Ah	240 Cycles

Kit Includes:
- Tool
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger – 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

J

DO NOT CUT:
ACSR Cable, Steel, Ground Rod, Rebar or Guy Wire

TASKMASTER Tools from ILSCO — Battery Powered Pistol Grip Cutting Tool

RoHS Compliant

TYPE
BCTR

Features
- TaskMasterPRO five year tool warranty
- 18 V, 5 Ah Milwaukee® Li-ion battery, 3 year warranty
- 360° tool head rotation
- Right or left hand ergonomic non-slip cushioned grip
- LED work light
- LED battery charge indicator
- Variable speed trigger
- Scissor head design

Benefits
- Ensures confidence for durability & quality
- Longevity
- Easy maneuvering at any angle
- Reduces fatigue and increases grip security
- Illuminates work space
- Job site battery management
- Easier positioning of the cut
- One handed operation

TB-CUT120CU-PS

Catalog Number	
TB-CUT120CU-PS	Tool Kit
TB-CUT120CU-PSX	Tool Kit w/o batteries and charger
BLDF-120	Replacement Blade Assembly
BLDM-120	Replacement Moving Blade
Specifications	
Force Developed	6.7 tons
Weight with 5.0 Ah battery	21.5 lbs.
Length	25.6"
Height	13"
Width	3.75"
Cutting Diameter	4.75"
Cut Capacity (CU or AL)	
CU Conductor	1000 kcmil
AL Conductor	4.5"
Battery Life Estimates	**Number of Cycles**
18V DC - 5.0 Ah	220 Cuts

Kit Includes:
- Tool
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger – 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

J

DO NOT CUT:
ACSR Cable, Steel, Ground Rod, Rebar or Guy Wire

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Battery Powered In-Line Cutting Tool

TASKMASTER TOOLS from ILSCO

RoHS Compliant

TYPE
BCTR

Features
- TaskMasterPRO five year tool warranty
- 18 V, 2.0 Ah Milwaukee® Li-ion battery, 3 year warranty
- 360˚ tool head rotation
- DataTrack mini USB-port for connectivity
- Right or left hand ergonomic non-slip cushioned grip
- Multifunction LED indication lights
- LED battery charge indicator
- Latch head design
- Heavy duty blades

Benefits
- Ensures confidence for durability & quality
- Longevity
- Maneuverability
- Capture output data for performance & service
- Reduces fatigue and increases grip security
- Identifies condition and readiness of tool
- Job site battery management
- Secures conductor in place
- Able to cut through hard steel

TB-CUT25HD

Catalog Number	
TB-CUT25HD-I	Tool Kit
TB-CUT25HD-IX	Tool Kit w/o batteries and charger
BLDF-25HD	Replacement Fixed Blade
BLDM-25	Replacement Moving Blade
Specifications	
Force Developed	6.7 tons
Weight with 2.0 Ah battery	8.3 lbs.
Length	15.62"
Height	2.5"
Width	3"
Cutting Diameter	.98"
Cut Capacity (CU or AL)	**.98"**
ACSR	556 kcmil
Guy Wire	9/16"
Guy Wire (EHS)	9/16"
Ground Rod	5/8"
Rebar	#5 (5/8") Grade 40
Battery Life Estimates	
18V DC – 2.0 Ah	150 Cycles
18V DC – 5.0 Ah (Optional)	340 Cycles

Kit Includes:
- Tool
- 2 Milwaukee® Batteries - 18V 2.0 Ah
- 1 Milwaukee® Battery Charger – 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- USB Cord
- Specific Control Certification

J

TASKMASTER TOOLS from ILSCO — Battery Powered In-Line Cutting Tool

RoHS Compliant

TYPE
BCTR

Features
- TaskMasterPRO five year tool warranty
- 18 V, 2.0 Ah Milwaukee® Li-ion battery, 3 year warranty
- SmartCut detection w/Auto Retract
- 360° tool head rotation
- DataTrack mini USB-port for connectivity
- Right or left hand ergonomic non-slip cushioned grip
- Multifunction LED indication lights
- LED battery charge indicator
- Scissor head design

Benefits
- Ensures confidence for durability & quality
- Longevity
- Less stress on motor and hydraulics
- Maneuverability
- Capture output data for performance & service
- Reduces fatigue and increases grip security
- Identifies condition and readiness of tool
- Job site battery management
- One handed operation

TB-CUT40CU-IS

Catalog Number	
TB-CUT40CU-IS	Tool Kit
TB-CUT40CU-ISX	Tool Kit w/o batteries and charger
BLDS-40	Replacement Blade Set
Specifications	
Force Developed	3.3 tons
Weight with 2.0 Ah battery	6.2 lbs.
Length	17.32"
Height	3.1"
Width	4.8"
Cutting Diameter	1.5"
Cut Capacity (CU or AL)	
CU Conductor	750 kcmil max
AL Conductor	1000 kcmil max
Battery Life Estimates	**Number of Cycles**
18V DC - 2.0 Ah	150 Cuts
18V DC - 5.0 Ah	340 Cuts

Kit Includes:
- Tool
- 2 Milwaukee® Batteries - 18V 2.0 Ah
- 1 Milwaukee® Battery Charger – 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- USB Cord
- Specific Control Certification

J

DO NOT CUT:
ACSR Cable, Steel, Ground Rod, Rebar or Guy Wire

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TASKMASTER TOOLS from ILSCO — Battery Powered In Line Cutting Tool

RoHS Compliant

TYPE
BCTR

Features
- TaskMasterPRO five year tool warranty
- Scissor head design for cutting ACSR and Guy Wire
- 3 year warranty, 18V, 2.0 Ah Milwaukee® Li-ion battery
- 350˚ tool head rotation
- Heavy duty blade inserts
- DataTrack mini USB-port for connectivity
- Right or left hand ergonomic non-slip cushioned grip
- Multifunction LED indication lights
- LED battery charge indicator

Benefits
- Ensures confidence for durability & quality
- One handed operation, no latch required
- Longevity
- Easy maneuvering at any angle
- Easy field replacement
- Capture output data for performance & service
- Reduces fatigue and increases grip security
- Identifies condition and readiness of tool
- Allows for job site battery management

TB-CUT26ACSR-IS

Catalog Number	
TB-CUT26ACSR-IS	Tool Kit
TB-CUT26ACSR-ISX	Tool Kit w/o batteries and charger
BLDS-26	Replacement Blade Assembly
BLDI-26	Replacement Blade Insert
Specifications	
Force Developed	5.8 tons
Weight with 2.0 Ah battery	9.2 lbs.
Length	18"
Height	3.23″
Width	4.96"
Cutting Diameter	1.00"
Cut Capacity (CU or AL)	
ACSR	556 kcmil max*
Guy Wire	3/8"
Guy Wire (EHS)	3/8" max
Battery Life Estimates	**Number of Cycles**
18V DC-2.0 Ah	80 Cuts (on 556-ACSR)

* Will not cut 477 Hen

Kit Includes:
- Tool
- 2 Milwaukee® Batteries - 18V 2.0 Ah
- 1 Milwaukee® Battery Charger - 120V AC
- Shoulder Strap
- Molded Carrying Case
- Instruction Manual
- USB Cord
- Specific Control Certification

J

Not recommended for: CU, AL
Do not use on: Ground Rod, Rebar, 477 Hen

TASKMASTER TOOLS from ILSCO

Manual Hydraulic Dieless Crimping Tool

RoHS Compliant

TYPE
HDTI

Features
- TaskMasterPRO five year tool warranty
- 2 Stage pump piston
- 360° tool head rotation
- Lightweight design
- Comfort grips
- Dieless crimping operation
- Flip top head

Benefits
- Ensures confidence for durability & quality
- Rapid advance
- Maneuverability
- Portability
- Shock absorption
- Versatility, works on large range of wire sizes
- Easy connector loading and unloading

TM-6DF1000

Catalog Number	
TM-6DF1000	
Specifications	
Force Developed	6 tons
Weight	13.3 lbs.
Length	23.7"
Head Opening	1.55"
Crimp Range	**Lugs & Splices**
CU Conductor	1000 kcmil - #8 sol/str
AL Conductor	750 kcmil - #8 str

Includes:
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

J

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TASKMASTER TOOLS from ILSCO — Manual Hydraulic Crimping Tool

RoHS Compliant

TYPE
HDTI

Features
- TaskMasterPRO five year tool warranty
- 2 Stage pump piston
- 360° tool head rotation
- Lightweight design
- Accepts U-type dies
- Comfort grips

Benefits
- Ensures confidence for durability & quality
- Rapid advance
- Maneuverability
- Portability
- Flexibility in the field
- Shock absorption

TM-12U1000

Catalog Number	
TM-12U1000	
Specifications	
Force Developed	12 tons
Weight	14.5 lbs.
Length	23"
Jaw Opening	1.65"
Crimp Range	**Lugs & Splices**
CU Conductor	1000 kcmil - #8 sol/str
AL Conductor	750 kcmil - #8 str

Includes:
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

For Use With		
Aluminum Connectors	**Copper Connectors**	**Visual Identification**
Series: ALNS, ALND	Series: CLN4, CLN9, CLND, CLWU	
ALNN thru 750kcmill	CLNF, CLNN, CLNS	
Series: IACL, 2IACL thru 750kcmil	CLNU, CLWD, CLW4, CLW9	
* Series: 2ACL, 2ACN thru 750kcmil	CLWN, CLWS, CSND	
Series: ACL, ACN thru 750kcmi	CSNF, CSNS, CSLT	
	CSWD, CSWN, CSW4, CSW9	
Series: *ASN, AS	CT, CTL	
CPM Series		
CPML Series		
ACO-90 Series		
ACM Series		
ACO Series		
AH 1-4		
* HT Series		
	GGA Series	
	GGB Series	
	ELT Series	
	GGC Series	
	ULT Series	
	RLT Series	

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Not UL Listed

J

TASKMASTER Tools from ILSCO — Manual Hydraulic Cutting Tool

RoHS Compliant

TYPE
MHCT

Features
- TaskMasterPRO five year tool warranty
- Latch head design
- 360° tool head rotation
- 2 stage pump piston
- Lightweight
- Manual hydraulic powered
- Heavy duty blades
- Comfort grips

Benefits
- Ensures confidence for durability & quality
- Secures conductor in place
- Maneuverability
- Rapid advance
- Portability
- No power source required
- Able to cut through hard steel
- Shock absorption

TM-CUT25

Catalog Number	
TM-CUT25	TM-6DF1000
BLDF-25HD	Replacement Fixed Blade
BLDM-25	Replacement Moving Blade
Specifications	
Force Developed	6.7 tons
Weight	6.4 lbs.
Length	15.5"
Cutting Capacity	
Diameter	.98"
CU Conductor	.98"
AL Conductor	.98"
ACSR	556 kcmil
Guy Wire	9/16"
Guy Wire (EHS)	9/16"
Ground Rod	5/8"
Rebar	#5 (5/8") Grade 40 For Grade 60, Consult Factory

TM-CUT45

Catalog Number	
TM-CUT45	TM-6DF1000
BLDF-45	Replacement Fixed Blade
BLDM-45	Replacement Moving Blade
Specifications	
Force Developed	6.7 tons
Weight	12.5 lbs.
Length	23.6"
Cutting Capacity	
Diameter	1.77"
CU Conductor	1.5"
AL Conductor	1.7"
ACSR	1590
Guy Wire	5/8"
Guy Wire (EHS)	1/2"
Ground Rod	5/8"
Rebar	#4 (1/2") Grade 60

Includes:
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

J

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TASKMASTER TOOLS from ILSCO — Manual Hydraulic Cutting Tool

RoHS Compliant

TYPE
MHCT

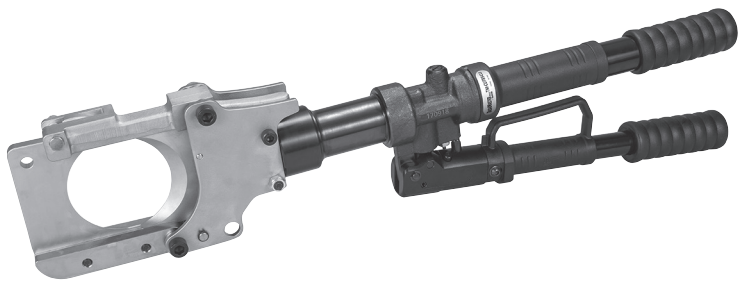
Features
- TaskMasterPRO five year tool warranty
- Latch head design
- 360° tool head rotation
- 2 stage pump piston
- Lightweight
- Manual hydraulic powered
- Comfort grips

Benefits
- Ensures confidence for durability & quality
- Secures conductor in place
- Maneuverability
- Rapid advance
- Portability
- No power source required
- Shock absorption

TM-CUT50CU

Catalog Number	
TM-CUT50CU	TM-6DF1000
BLDF-50	Replacement Fixed Blade
BLDM-50	Replacement Moving Blade
Specifications	
Force Developed	6.7 tons
Weight	11.3 lbs.
Length	24"
Cutting Capacity	
Diameter	1.96"
CU Conductor	1.9"
AL Conductor	1.9"

TM-CUT85CU



Catalog Number	
TM-CUT85CU	TM-6DF1000
BLDF-85	Replacement Fixed Blade
BLDM-85	Replacement Moving Blade
Specifications	
Force Developed	7.8 tons
Weight	16.1 lbs.
Length	27.4"
Cutting Capacity	
Diameter	3.34"
CU Conductor	3.3"
AL Conductor	3.3"

Includes:
- Molded Carrying Case
- Instruction Manual
- Specific Control Certification

J

DO NOT CUT:
ACSR Cable, Steel, Ground Rod, Rebar or Guy Wire

TASKMASTER TOOLS from ILSCO

Remote Hydraulic Dieless Crimping Head

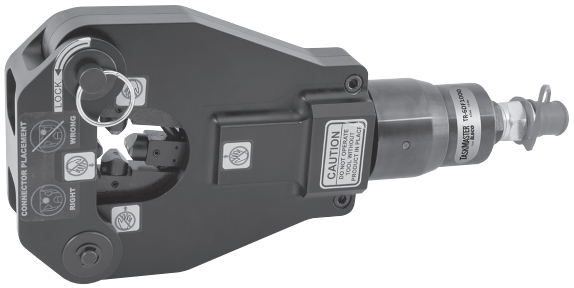
RoHS Compliant

TYPE
HRTI

Features
- TaskMasterPRO five year tool warranty
- Remote hydraulic powered
- Operates with 10,000 p.s.i. pump
- Quick connect male attachment point
- Dieless crimping operation
- Flip top head

Benefits
- Ensures confidence for durability & quality
- Ease of use
- Industry standard
- Time saving leak free connection
- Versatility, works on large range of wire sizes
- Easy connector loading and unloading

TR-6DF1000



Catalog Number	
TR-6DF1000	
Specifications	
Force Developed	6 tons
Weight	7.8 lbs.
Length	12"
Head Opening	1.55"
Crimp Range	**Lugs & Splices**
CU Conductor	1000 kcmil - #8 sol/str
AL Conductor	750 kcmil - #8 str

Includes:
- Durable Carrying Bag
- Instruction Manual

J

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TASKMASTER TOOLS from ILSCO — Remote Hydraulic Crimping Head

RoHS Compliant

TYPE
HRTI

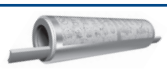
Features
- TaskMasterPRO five year tool warranty
- Remote hydraulic powered
- Operates with 10,000 p.s.i. pump
- Accepts U-type dies
- Quick connect male attachment point

Benefits
- Ensures confidence for durability & quality
- Ease of use
- Industry standard
- Flexibility in the field
- Time saving leak free connection

TR-12U1000

Catalog Number	
TR-12U1000	
Specifications	
Force Developed	14.6 tons
Weight	9.7 lbs.
Length	10.6"
Jaw Opening	1.65"
Crimp Range	**Lugs & Splices**
CU Conductor	1000 kcmil - #8 sol/str
AL Conductor	750 kcmil - #8 str

Includes:
- Molded Carrying Case
- Instruction Manual

For Use With		
Aluminum Connectors	**Copper Connectors**	**Visual Identification**
Series: ALNS, ALND	Series: CLN4, CLN9, CLND, CLWU	
ALNN thru 750kcmil	CLNF, CLNN, CLNS	
Series: IACL, 2IACL thru 750kcmil	CLNU, CLWD, CLW4, CLW9	
* Series: 2ACL, 2ACN thru 750kcmil	CLWN, CLWS, CSND	
Series: ACL, ACN thru 750kcmil	CSNF, CSNS, CSLT	
	CSWD, CSWN, CSWS, CSW4, CSW9	
Series: *ASN, AS	CT, CTL	
CPM Series		
CPML Series		
ACO-90 Series		
ACM Series		
ACO Series		
AH 1-4		
* HT Series		
	GGA Series	
	GGB Series	
	ELT Series	
	GGC Series	
	ULT Series	
	RLT Series	

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

* Not UL Listed

J

TASKMASTER Tools from ILSCO — Remote Hydraulic Cutting Head

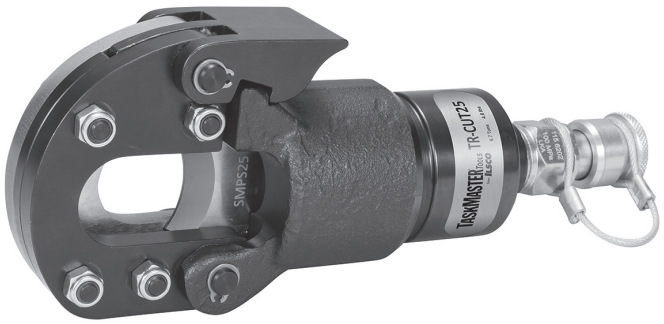
RoHS Compliant

TYPE
HRCT

Features
- TaskMasterPRO five year tool warranty
- Remote hydraulic powered
- Operates with 10,000 p.s.i. pump
- Latch head design
- Quick connect male attachment point
- Heavy duty blades

Benefits
- Ensures confidence for durability & quality
- Ease of use
- Industry standard
- Secures conductor in place
- Time saving leak free connection
- Able to cut through hard steel

TR-CUT25



Catalog Number	
TR-CUT25	
BLDF-25HD	Replacement Fixed Blade
BLDM-25	Replacement Moving Blade
Specifications	
Force Developed	6.7 tons
Weight	4.6 lbs.
Length	8.6"
Cutting Capacity	
Diameter	.98"
CU Conductor	.98"
AL Conductor	.98"
ACSR	556 kcmil
Guy Wire	9/16"
Guy Wire (EHS)	9/16"
Ground Rod	5/8"
Rebar	#5 (5/8") Grade 40 For Grade 60, Consult Factory

TR-CUT45

Catalog Number	
TR-CUT45	
BLDF-45	Replacement Fixed Blade
BLDM-45	Replacement Moving Blade
Specifications	
Force Developed	6.7 tons
Weight	6.4 lbs.
Length	12.3"
Cutting Capacity	
Diameter	1.77"
CU Conductor	1.5"
AL Conductor	1.7"
ACSR	1590
Guy Wire	5/8"
Guy Wire (EHS)	1/2"
Ground Rod	5/8"
Rebar	#4 (1/2") Grade 60

Includes:
- Durable Carrying Pouch with Clip
- Instruction Manual

J

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TASKMASTER TOOLS from ILSCO — Remote Hydraulic Cutting Head

RoHS Compliant

TYPE
HRCT

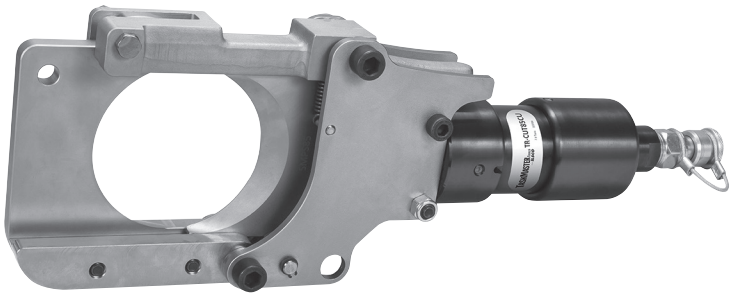
Features
- TaskMasterPRO five year tool warranty
- Remote hydraulic powered
- Operates with 10,000 p.s.i. pump
- Latch head design
- Quick connect male attachment point

Benefits
- Ensures confidence for durability & quality
- Ease of use
- Industry standard
- Secures conductor in place
- Time saving leak free connection

TR-CUT50CU

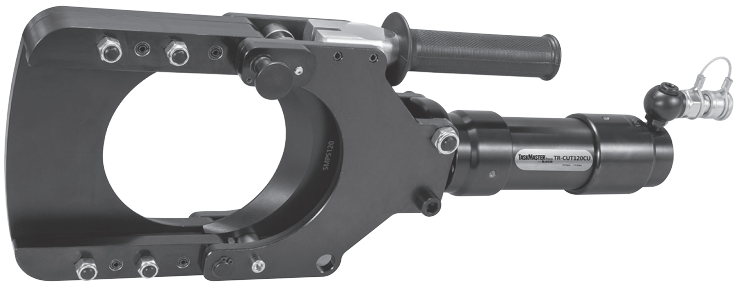
Catalog Number	
TR-CUT50CU	
BLDF-50	Replacement Fixed Blade
BLDM-50	Replacement Moving Blade
Specifications	
Force Developed	6.7 tons
Weight	6.4 lbs.
Length	12.3"
Cutting Capacity	
Diameter	1.96"
CU Conductor	1.9"
AL Conductor	1.9"

TR-CUT85CU



Catalog Number	
TR-CUT85CU	
BLDF-85	Replacement Fixed Blade
BLDM-85	Replacement Moving Blade
Specifications	
Force Developed	7.8 tons
Weight	8.8 lbs.
Length	15.3"
Cutting Capacity	
Diameter	3.34"
CU Conductor	3.3"
AL Conductor	3.3"

TR-CUT120CU



Catalog Number	
TR-CUT120CU	
BLDF-120	Replacement Fixed Blade
BLDM-120	Replacement Moving Blade
Specifications	
Force Developed	15 tons
Weight	17.8 lbs.
Length	21"
Cutting Capacity	
Diameter	4.72"
CU Conductor	4.5"
AL Conductor	4.5"

DO NOT CUT:
ACSR Cable, Steel, Ground Rod, Rebar or Guy Wire

Includes:
- Durable Carrying Pouch with Clip
- Instruction Manual

J

TASKMASTER TOOLS from ILSCO — Remote Head Hydraulic Cutting Tools

RoHS Compliant

TYPE
HRCT

Features
- TaskMasterPRO five year tool warranty
- Remote hydraulic powered
- Operates with 10,000 p.s.i. pump
- Scissor head design
- Quick connect male attachment point

Benefits
- Ensures confidence for durability & quality
- Ease of use
- Industry standard
- One handed operation
- Time saving leak free connection

TR-CUT65CUS

Catalog Number	
TR-CUT65CUS	
BLDS-65	Replacement Blade Assembly
BLDG-65	Replacement Blade Guide
Specifications	
Force Developed	4.9 tons
Weight	10.3 lbs.
Length	14.5"
Cutting Capacity	
Diameter	2.5"
CU Conductor	1000 kcmil
AL Conductor	2.5"

TR-CUT95CUS

Catalog Number	
TR-CUT95CUS	
BLDS-95	Replacement Blade Assembly
BLDG-95	Replacement Blade Guide
Specifications	
Force Developed	7.3 tons
Weight	15.2 lbs.
Length	18.3"
Cutting Capacity	
Diameter	3.75"
CU Conductor	1000 kcmil
AL Conductor	3.5"

TR-CUT120CUS

Catalog Number	
TR-CUT120CUS	
BLDS-120	Replacement Blade Assembl
BLDM-120	Replacement Moving Blade
Specifications	
Force Developed	6.7 tons
Weight	16.5 lbs.
Length	19.8"
Cutting Capacity	
Diameter	4.75"
CU Conductor	1000 kcmil
AL Conductor	4.5"

Includes:
- Durable Plastic Carrying Case
- Instruction Manual

DO NOT CUT:
ACSR Cable, Steel, Ground Rod, Rebar or Guy Wire

J

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TASKMASTER TOOLS from ILSCO — Battery Powered Hydraulic Pump

RoHS Compliant

TYPE
HPI

Features
- TaskMasterPRO five year tool warranty
- 18 V, 5.0 Ah Milwaukee® Li-ion battery, 3 year warranty
- Auto cut detection
- USB interface
- Light weight/Compact design
- LED operating indicator lights
- LED battery charge indicator
- Manual release switch
- Quick disconnect couplers
- Closed oil system
- Digital display screen

Benefits
- Ensures confidence for durability & quality
- Eliminates need for external power source
- Extends motor life
- Capture data for performance, reporting & service
- Reduces fatigue & saves space
- Identifies condition and readiness of pump
- Job site battery management
- Emergency safety release, even without battery
- Leak free connection
- Allows pump to function, even upside down
- Visual control and verification of retract time

* See TaskMaster Tool Accessories page for alternate hoses, foot operated remote, and replacemeent parts

Catalog Number	
TB-PMP	Pump Kit
Specifications	
Force Developed	10,000 psi
Compression Head Max	60 ton
Hose Length	5 ft.
Weight with 5.0 Battery	11.4 lbs
Oil Capacity	25 oz.
Battery Life Estimates	Number of Cycles
18V DC - 5.0 Ah	250

Kit Includes:
- Pump
- 2 Milwaukee® Batteries - 18V 5.0 Ah
- 1 Milwaukee® Battery Charger – 120V AC
- 5 ft. Non-conductive Filled Hose
- 5 ft. Hand Held Remote Pump Cord
- Shoulder Strap for Pump
- USB 2.0 Cable Type A to Mini-B, 6 ft.
- Durable Carrying Bag
- Instruction Manual
- Male/Female Adapters
- Specific Control Certification

J

TASKMASTER Tools from ILSCO — Battery Powered Hydraulic Pump

RoHS Compliant

TYPE
HPI

Features

- TaskMasterPRO five year tool warranty
- 18 V, 5.0 Ah Milwaukee • Li-ion battery, 3 year warranty
- Auto cut detection
- USB interface
- Light weight/Compact design
- LED operating indicator lights
- LED battery charge indicator
- Manual release switch
- Quick disconnect couplers
- Return adjustment knob
- Closed oil system
- Digital display screen
- Data capture for performance, reporting and service
- Customizable nominal pressure & cycle time

Benefits

- Ensures confidence for durability & quality
- Eliminates need for external power source
- Extends motor life
- Capture data for performance, reporting & service
- Reduces fatigue & saves space
- Identifies condition and readiness of pump
- Job site battery management
- Emergency safety release, even without battery
- Leak free connection
- Faster crimp cycles
- Allows pump to function, even upside down
- Visual control and verification of retract time
- Save specific settings for quick access to multiple, different applications

TB-PMP-PRO

Catalog Number	
TB-PMP-PRO	Pump Pro Kit
TB-PMP-PROX	Pump Pro Kit w/o batteries and charger

Specifications	
Force Developed	10,000 psi
Compression Head Max	60 ton
Hose Length	5 ft.
Weight with 5.0 Battery	11.4 lbs
Oil Capacity	25 oz.

Battery Life Estimates	Number of Cycles
18V DC - 5.0 Ah	250

* See tool accessories page for alternate hoses, foot operated remote and replacement parts.

Kit Includes:

- Pump
- 2 Milwaukee' Battery Charger - 120V AC
- 1 Milwaukee' Batteries - 18V 5.0 Ah
- 5 ft. Non-conductive Filled Hose
- 5 ft. Hand Held Remote Pump Cord
- Shoulder Strap for Pump
- USB 2.0 Cable Type A to Mini-B, 6 ft.
- Durable Carrying Bag
- Instruction Manual
- Male/Female Adapters
- Specific Control Certification

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Foot Powered Pump

TASKMASTER TOOLS from ILSCO

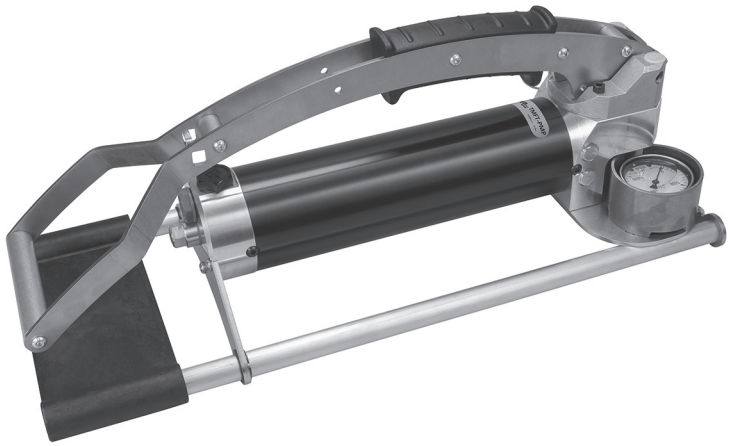
RoHS Compliant

TYPE
HPI

Features
- TaskMasterPRO five year tool warranty
- Manual retract switch
- 2 stage pump cylinder
- Includes coupling adapters
- Quick connect female attachment point
- Foot powered hydraulic

Benefits
- Ensures confidence for durability & quality
- Retract head at any time
- Rapid advance
- Ensure industry standard hose connection
- Time saving leak free connection
- No outside power source required

TMFT-PMP



* Hoses sold separately see TaskMaster Tool Accessories Page

Catalog Number	
TMFT-PMP	Pump
Specifications	
Force Developed	10,000 psi
Compression Head Max	60 ton
Pump Length	22.4"
Weight	21 lbs.
Length	14.5"

Includes:
- Pump
- Durable Metal Case
- Instruction Manual
- Male and Female quick connect adapters
- Specific Control Certification

J

TaskMaster Tool Accessories

RoHS Compliant

TYPE
HPI

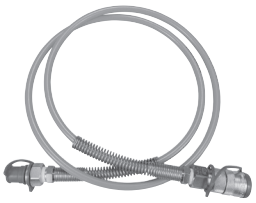


Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Figure Number	Catalog Number	Description
Fig. 1	HSO-5	5 ft. Non-conductive filled hose
Fig. 1	HSO-10	10 ft. Non-conductive filled hose
Fig. 1	HSO-15	15 ft. Non-conductive filled hose
Fig. 1	HSO-30	30 ft. Non-conductive filled hose
Fig. 2	HSA-5	5 ft. Armored filled hose
Fig. 2	HSA-10	10 ft. Armored filled hose
Fig. 2	HSA-15	15 ft. Armored filled hose
Fig. 2	HSA-30	30 ft. Armored filled hose
Fig. 3	CH-12V	12V Battery charger
Fig. 4	RCPMP-5	5 ft. Hand held remote pump cord
-	SHST	Shoulder strap for pump
-	USB	6 ft. 2.0 Cable Type A to Mini-B
Fig. 5	QCA-M	Male adapter
Fig. 6	QCA-F	Female adapter
Fig. 7	U-W-BAG	Bag In-line
Fig. 8	FP-PMP	Foot pedal for TB-PMP
Fig. 9	INLINE-CASE	Molded Case
Fig. 9	PISTOLGRIP-CASE-L	Molded Case
Fig. 10	PISTOLGRIP-CASE-XL	Molded Case

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Fig. 8

Fig. 9

Fig. 10

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Die Kit

RoHS Compliant

TYPE
ILD-KIT-CU
ILD-KIT-AL
ILD-KIT-PG

Features
- ILD-KIT-CU is for use with SureCrimp copper connectors
- ILD-KIT-AL is for use with SureCrimp aluminum connectors
- ILD-KIT-PG is for use with PermaGround connectors

Wire Size	ILD-KIT-CU Includes	ILD-KIT-AL Includes
#6	ILD-24-1	ILD-346
#4-3	ILD-29-1	ILD-375
#2	ILD-33	ILD-348
#1	ILD-37	ILD-471
1/0	ILD-42	ILD-296
2/0	ILD-45	ILD-297
3/0	ILD-50	ILD-467
4/0	ILD-54	ILD-298
250kcmil	ILD-62	ILD-324
300kcmil	ILD-66	ILD-470
350kcmil	ILD-71	ILD-299
400kcmil	ILD-76	ILD-472
500kcmil	ILD-87	ILD-300
600kcmil	ILD-94	ILD-473
750kcmil	ILD-106	ILD-936

ILD-KIT-CU

ILD-KIT-AL

ILD-KIT-PG Includes
ILD-C
ILD-D3
ILD-O
ILD-997
ILD-998
ILD-1011
ILD-BG
ILD-238
ILD-162
ILD-PRECRIMP

All Die Kits are in a Pelican® case (UDIE-CASE)

ILD-KIT-PG

J

Compression Dies for Aluminum Connectors

RoHS Compliant

Compressor Dies For ILC-12-N, ILC-12H-N, ILCB-12 Series (Hydraulic Tools) TB-12U1000-P, TM-12U1000, TR-12U1000

Catalog Number	Die Color Code	Connector Series ALNS, ALND, ALNN Wire Size
ILD-374	Blue	#8
ILD-346	Gray	#6
ILD-375	Green	#4
ILD-348	Pink	#2
ILD-471	Gold	#1
ILD-296	Tan	1/0
ILD-297	Olive	2/0
ILD-467	Ruby	3/0
ILD-298	White	4/0
ILD-324	Red	250kcmil
ILD-470	Blue	300kcmil
ILD-299	Brown	350kcmil
ILD-472	Green	400kcmil
ILD-300	Pink	500kcmil
ILD-473	Black	600kcmil
ILD-936	Yellow	700/750kcmil

Compressor Dies For ILC-12, ILC-12-N, ILC-12H, ILC-12H-N, ILCB-12, ILCB-12-N, ILCB-12-LIO, ILC-14, ILC-14H, ILC-15, ILC-15H, ILC-750, TB-12U1000-P, TM-12U1000, TR-12U1000

Catalog Number	Die Color Code	Fine Strand Copper Wire Only
	Series CS, CL, CT, CTL, F2C	Series CS, CL, CT, CTL, F2C
ILD-21	8 AWG	8 FLEX CLASS G,H,I,K,M,DLO
ILD-24-1	6 AWG, 5 AWG	6 FLEX CLASS G,H,I,K,M,DLO
ILD-29-1	4-3 AWG	4 FLEX CLASS G,H,I,K,M,DLO
ILD-33	2 AWG	-
ILD-37	1 AWG	2 FLEX CLASS G,H,I,K,M,DLO
ILD-42	1/0 AWG	1 FLEX CLASS G,H,I,K,M,DLO
ILD-45	2/0 AWG	1/0 FLEX CLASS G,H,I,K,M,DLO
ILD-50	3/0 AWG	2/0 FLEX CLASS G,H,I,K,M,DLO
ILD-54	4/0 AWG	3/0 FLEX CLASS G,H,I,K,M,DLO
ILD-62	250kcmil	4/0 FLEX CLASS G,H,I,K,M,DLO
ILD-66	300kcmil	250 G,H
ILD-71	350kcmil	250 I,K,M, 262 DLO
ILD-76	400kcmil	300 G,H,I,K,M, 313 DLO
ILD-87	500kcmil	350 G,H,I,K,M, 373 DLO
ILD-94	600kcmil	400 G,H,I,K,M, 444 DLO
ILD-99	700kcmil	500 G,H,I,K,M, 535 DLO
ILD-106	750kcmil	600 G,H,I,M, 646 DLO
ILD-125	1000kcmil	750 G,H,I, 777 DLO

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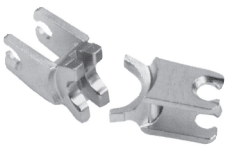
Compression Die Index

RoHS Compliant

Compressor Dies For ILC-12-N, ILC-12H-N, ILCB-12-N, ILC-15H, ILC-12, ILC-12H, ILC-14, ILC-14H, ILCB-12, ILCB-12-LIO, ILC-15, ILC-750, TB-12U1000-P, TM-12U1000, TR-12U1000

Catalog Number	Wire Size		
	Legacy Aluminum Terminals and Splices	ACM and ACO Pin Connectors	CPM Pin Connectors
ILD-2	8		
ILD-3	6		
ILD-4	4		
ILD-5			
ILD-6			
ILD-7	2, 1		
ILD-8	1/0	6, 4, 2, 1	
ILD-9	6, 4, 2, 1		
ILD-10	2/0, 3/0		
ILD-11			
ILD-12	4/0	1/0, 2/0, 3/0, 4/0	1/0, 2/0, 3/0, 4/0
ILD-13	250kcmil		
ILD-14	300kcmil, 350kcmil	250kcmil, 300kcmil, 350kcmil	250kcmil, 300kcmil, 350kcmil
ILD-15			
ILD-16	400kcmil		
ILD-16A	*500kcmil	400kcmil, 500kcmil	400kcmil,500kcmil
ILD-17	*600kcmil, *700kcmil		
ILD-18	*700kcmil	600kcmil, 750kcmil	600 kcmil,750kcmil
ILD-P302+	‡1000kcmil		

* Cannot be used on Sleeves with ILC-12-N, ILC-12H-N, ILC-12 and ILC-12H tools
‡ For use on ALNN-1000-12-134
+ For use with ILC-15 or ILC-15H, must be used with ILD-PADP when using ILC-15H



Type W Dies For ND-60, ND-58, TB-6WBG500-I, TB-6WO500-I, TB-6WD3500-I

Catalog Number	For Use With	
	Aluminum Compression Connectors	Copper Compression Connectors
ND-O	HT-1, HT-2, AH-1	GGC-1, GGA-1, GGA-2, GGA-4
ND-BG	PICS-61 thru PICS-78	ULT-4, ULT-5
ND-C		ULT-6, ULT-7
ND-K-840	UCS-2/0, UCS-3/0, UCS-4/0, UCS-250, PICS-834 thru PICS-869	

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Compression Dies

RoHS Compliant

FOR TYPE
ILC-15
ILC-15H
ILC-750

Figure 1

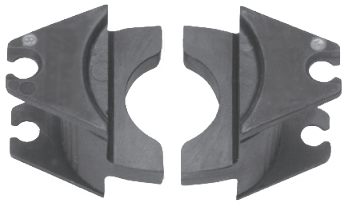

Figure 2

Catalog Number	Figure Number	For Use With	
		Aluminum Compression	Copper Compression Connectors
ILD-K-840*+	1	UCS-2/0, UCS-3/0, UCS-4/0, UCS-250, PICS-834 through PICS-869	
ILD-C*+	1		ULT-6-Z, ULT-7-Z, ELT-1
ILD-D3*+	1	HT-2, HT-3, HT-4, HT-5, HT-7, AH-2, AH-3, AH-4	ULT-10-Z, ULT-11-Z, ULT-12-Z, CDT-308-8, CDT-307-8
ILD-O*	1	HT-1, HT-6, HT-8, AH-1	GGC-1, GGA-1, GGA-2, GGA-4, ELT-2, ELT-4, CDT-304-8, CDT-303-8, ULT-8-Z, ULT-9-Z
ILD-N*+	1	AH-5, AH-6, AH-7	
ILD-KR+	2	AH-8, AH-9, AH-10, AH-11, AH-12	AH-10, AH-11, AH-12
ILD-997*+	1		GGA-2, GGA-3, GGA-4, GGA-5, GGA-9, GGC-2, GGC-3, GGC-4, ELT-3, ELT-5, CGP2-2250, CGP4-2250
ILD-998+	1		GGA-4, GGA-5, GGC-5, GGC-6, GGC-7, GGC-9, CGP2-250500, CGP4 250500, RLT-4TN, RLT-7TN, RLT-8TN, RLT-9TN, RLT-2 through RLT-13
ILD-P998o	2	Can only be used with ILC-15 or ILC-15H	GGA-4, GGA-5, GGB-1 thru GGB-8, GGC-5, GGC-6, GGC-7, RLT
ILD-P999o	2	Can only be used with ILC-15 or ILC-15H	GGA-6, GGC-8
ILD-1011+	1		GGA-6, GGC-8, ELT-6, ELT-7, ELT-8, RLT-4TN, RLT-7TN, RLT-8TN, RLT-9TN, RLT-2 through RLT-13
ILD-P1011o	2	Can only be used with ILC-15 or ILC-15H	GGA-6, GGC-8, RLT
ILD-BG	1	PICS-61 thru PICS-78	ULT-3-Z, ULT-4-Z, ULT-5-Z, CST-301, CST-302, CDT-399-8, CDT-398-8
ILD-P302o	1	ALNN, Can only be used with ILC-15 or ILC-15H	
ILD-238	-		ULT-1-Z
ILD-162	-		ULT-2-Z
ILD-Precrimp	-		1/2, 5/8, 3/4, Ground Rod Pre Crimp Die

* May also be used with ILC-12-N, ILC-12H-N, ILCB-12-N, ILC-12, ILC-12H, ILCB-12
+ Must be used with ILD-ADP when using ILC-15, must be used with ILD-PADP when using ILC-15H
o Must be used with ILD-PADP when using ILC-15H

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Die Adaptors

FOR TYPE
ILC-15
ILC-15H

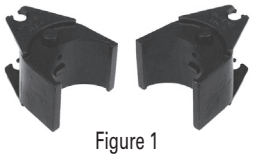

Figure 1

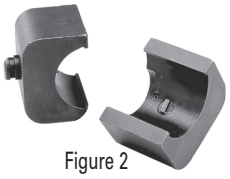

Figure 2

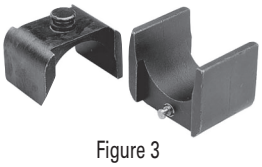

Figure 3

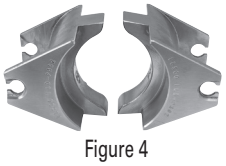

Figure 4

Catalog Number	Figure Number	Description	Die Color Code
ILD-ADP	1	Permits ILD Series to be inserted in ILC-15 or ILC-15H tool, if using ILC-15H ILD-PADP must be used as well	
ILD-UADP	2	Permits ILD Series to be inserted in ILC-15 or ILC-15H tool	
ILD-PADP	3	Permits "P" style dies to be inserted in ILC-15H tool	
ILD-P302	4	1000kcmil, ILD-PADP die adaptor must be used	Brown

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Manually Operated Compression Tool

RoHS Compliant

TYPE
MT-25

Features
- Dieless single indent compressor
- Steel adjusting knob
- UL Listed terminals and splices
- Broad wire range
- Mounting hole for bench mounting applications

Benefits
- Reduces installed cost by having no separate dies to purchase, change or lose
- Provides fast and easy setting. Simply align the line on the die nest with the wire size gauge for proper crimping results.
- Ensures reliability. Ilsco's standard line of connectors are UL Listed when crimped with the MT-25 tool
- Convenience

Specifications

Length:	22.65"
Weight:	6 lbs.
Depth:	4.86"
Width:	1.12"
Conductor Range:	4/0-8 AL 250kcmil-8 CU

MT-25

For Use With	
Aluminum Connectors	**Copper Connectors**
ACL, ACN 4/0-8	CLN4, CLN9, CLND,
2ACL, 2ACN 4/0-8	CLNF, CLNN, CLNS,
AS 4/0-8	CLNU, CLW4, CLW9,
Series: ALNS, ALND, ASN	CLWD, CLWF, CLWN,
ALNN thru 4/0	CLWS, CSN4, CSN9,
	CSND, CSNF, CSNN,
	CSNS, CSW4, CSW9,
	CSWD, CSWF, CSWN,
	CSWS thru 250kcmil
	CCL, CRAM

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

J

Manually Operated Compression Tool

RoHS Compliant

TYPE
ND-58

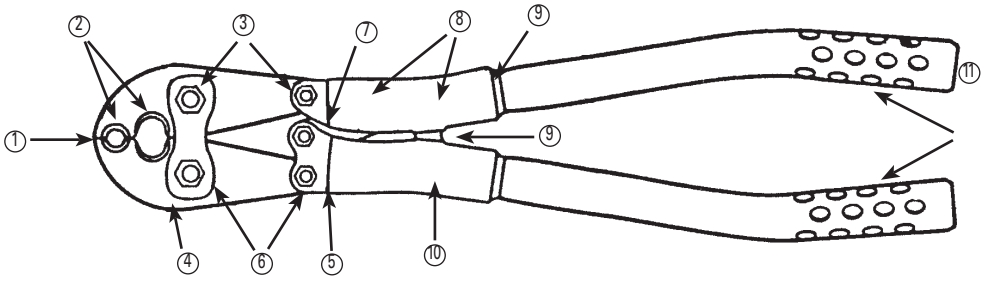
Features

①High strength, butting, forged steel jaw
②Two permanent die grooves
③Large diameter hardened steel bolts
④Spring loaded positive lock die retainer buttons
⑤Orange alignment grooves
⑥PTFE® impregnated steel backed bronze bushings
⑦Over center cam action
⑧Adjustment screws
⑨Handle butt stops and heat shrink tubing
⑩High quality clear hickory handles
⑪Bent handles and anti-slip handle grips

Benefits

- Assures proper crimps
- No additional dies required for "0" and "D3" size tap connectors. The "D3" groove accommodates the complete line of type "W-" die inserts.
- Provides increased strength and greater bearing area
- Allows fast, easy, one-hand die insertion. No lost dies.
- Allows easy visual field check for proper tool adjustment
- Over 90,000 crimps provided with Teflon impregnated steel backed bronze bushings
- Assures full crimp force
- Easy tool adjustment with allen wrench screws
- Operator protection provided with butt stops and heat shrink tubing
- Long life expectancy provided with select clear hickory handles and light weight high strength aluminum alloy castings
- Easier tool operation is provided with bent handles and anti-slip grips

Specifications
Crimp Force: 9,000 lbs.
Length: 25-3/8"
Weight: 9 lbs.



ND-58

For Use With	
Aluminum Connectors	**Copper Connectors**
PICS Series	GGA-1
P840 Series	GGC-1
UCL 1/0-4	
UCS 1/0-4	
HT Series	
AH 1-4	

J

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Manually Operated Compression Tool

RoHS Compliant

TYPE
ND-60

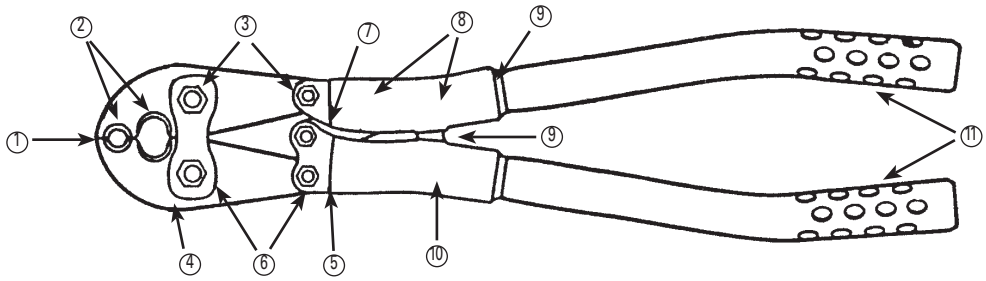
Features

① High strength, butting, forged steel jaw
② Two permanent die grooves
③ Large diameter hardened steel bolts
④ Spring loaded positive lock die retainer buttons
⑤ Orange alignment grooves
⑥ PTFE® impregnated steel backed bronze bushings
⑦ Over center cam action
⑧ Adjustment screws
⑨ Handle butt stops and heat shrink tubing
⑩ High quality clear hickory handles
⑪ Bent handles and anti-slip handle grips

Benefits

- Assures proper crimps
- No additional dies required for "BG" and "D3" size tap connectors. The "D3" groove accommodates the complete line of type "W-" die inserts.
- Provides increased strength and greater bearing area
- Allows fast, easy, one-hand die insertion. No lost dies.
- Allows easy visual field check for proper tool adjustment
- Over 90,000 crimps provided with Teflon impregnated steel backed bronze bushings
- Assures full crimp force
- Easy tool adjustment with allen wrench screws
- Operator protection provided with butt stops and heat shrink tubing
- Long life expectancy provided with select clear hickory handles and light weight high strength aluminum alloy castings
- Easier tool operation is provided with bent handles and anti-slip grips

Specifications
Crimp Force: 9,000 lbs.
Length: 25-3/8"
Weight: 9 lbs.



ND-60

For Use With	
Aluminum Connectors	**Copper Connectors**
PICS Series	GGA-1
P840 Series	GGC-1
UCL 1/0-4	
UCS 1/0-4	
HT Series	
AH 1-4	

J

Manually Operated Compression Tool

RoHS Compliant

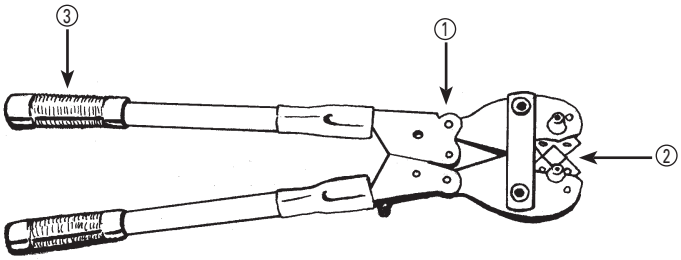
TYPE
94285

Features
1. Controlled cycle ratchet mechanism
2. Built in rotatable dies
3. Comfort grip handles
   - UL Listed terminals and splices

Benefits
- Acts as a quality control device, once a crimp is started, the tool will not open until it is completed. (Tool has emergency release mechanism.)
- No separate dies to purchase or lose
- Helps ease fatigue with continuous use
- Ensures reliability. Ilsco's standard line of connectors are UL Listed when crimped with the 94285 tool

Specifications

Length:	25-1/4"
Weight:	6.1 lbs.
Conductor Range:	250kcmil-8 CU
	3/0-8 AL



For Use With	
Aluminum Connectors	**Copper Connectors**
ACL, ACN 3/0-8	CLN4, CLN9, CLND, CSLT, CLWU
2ACL, 2ACN 3/0-8	CLNF, CLNN, CLNS,
Series: ALNS, ALND, ASN,	CLNU, CLW4, CLW9,
ALNN thru 3/0	CLWD, CLWF, CLWN,
	CLWS, CSN4, CSN9,
	CSND, CSNF, CSNN,
	CSNS, CSW4, CSW9,
	CSWD, CSWF, CSWN,
	CSWS thru 250kcmil

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

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Hand Operated Crimping Tool

RoHS Compliant

TYPE
ILC-10-N

Features
- Rotatable die
- Additional die affixed to frame
- Crimp cavities are color coded to industry standards
- Ratchet control mechanism
- Heat treated frame and dies
- Long, molded handles

Benefits
- Crimps #2, #4, #6 and #8 copper compression connectors
- Crimps 1/0 and #1 copper compression connectors
- Reduces the possibility of improper die selection
- Assures a complete crimp
- Dependable, long lasting tool
- Ergonomic design to reduce hand stress

Specifications

Weight:	1-3/8 lbs.
Overall Length:	11"
Width:	3.75"
Jaw Opening:	.5"
Conductor Range:	1/0-8 CU

ILC-10-N

For Use With
Copper Connectors
CLN4, CLN9, CLND,
CLNF, CLNN, CLNS,
CLNU, CLW4, CLW9,
CLWD, CLWF, CLWN,
CLWS, CSN4, CSN9,
CSND, CSNF, CSNN,
CSNS, CSW4, CSW9,
CSWD, CSWF, CSWN,
CSWS 1/0 thru 8

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

J

TYPE 94130
Controlled-Cycle Crimper

Features
- Dieless tool
- Ratchet mechanism
- Compound action
- Cushion grip handles
- Crimps insulated wire terminals
- Wire Range: 10-22 AWG, Weight .8 lb

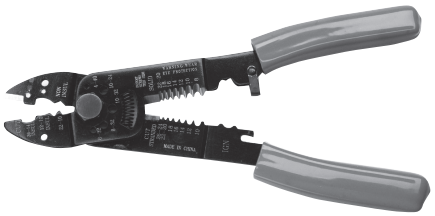
Benefits
- No need to purchase and maintain dies
- Assures proper crimp force every time
- Delivers maximum crimp force with minimum effort
- Provides user comfort
- Provides flexibility in use

94130

TYPE 94145
Multi Purpose Crimp Tool

Features
- Heavy duty carbon steel construction
- Comfort grip handles
- Spring loaded action
- Safety lock mechanism
- Color coded crimp nest
- Crimp nest
- Wire cutter
- Machine screw cutters
- Wire stripper/wire gauge

Benefits
- Provides durable rugged reliability
- Provides user comfort
- Enables multiple crimps
- Provides for compact storage
- For insulated terminals
- For uninsulated terminals
- Easily cuts solid and stranded wire
- Cuts and rethreads 4-40, 6-32, 8-32, 10-24, and 10-32 machine screws
- 26-8 AWG



J

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

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Industrial Scissors

RoHS Compliant

TYPE
THT-SC-CC

Features
- Contoured cutting edges
- Stainless steel blades hardened to 55 HRC min
- Heavy duty blades
- Micro-indentations on blades
- Crimps terminals #22-#10 AWG
- Cushion grip on outer surface of handles
- Safety holster with belt clip

Benefits
- Ease of cutting circular shapes
- Provides strength and durability
- Cuts up to #6 AWG and up to 1/0 Flex conductors
- Delivers non-slip cutting
- Multi-purpose
- Adds comfort for challenging cuts
- Portable convenient storage

Specifications

Length:	5.875"
Weight:	.12 lbs
Cutting CU & AL:	Up to #6 AWG, 1/0 Flex
Crimping:	#22-#10 AWG terminals

Includes:

Safety Holster

Scissors

THT-SC-CC

J

TASKMASTER TOOLS from ILSCO

Knife

RoHS Compliant

TYPE
WSI

Features
- TaskMasterPRO five year tool warranty
- Hinged blade guard
- Removeable blade
- Insulated handle

Benefits
- Ensures confidence for durability & quality
- Allows for safe storage and handling
- Easy replacement
- Rated 1000V

THT-K

Catalog Number	
THT-K	Knife
BLDK	Replacement Blade
Specifications	
Weight	.12 lbs.
Length	7.25"
Height	2"
Width	1.97"

J

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TASKMASTER TOOLS from ILSCO

Stripping Tool
For Removal of Outer Jacket

RoHS Compliant

TYPE
WSI

Features
- TaskMasterPRO five year tool warranty
- Turn click blade adjustment
- Double-sided interchangeable blade
- Traction wheel
- Beveled blade
- Able to be used on end of cable or midspan
- Snap closure mechanism

Benefits
- Ensures confidence for durability & quality
- Provides accurate blade depth without free movement
- Extends life of tool and creates convenience
- Grips outer jacket to make removal easier
- Allows for concentric and lateral cuts
- Allows for additional versatility
- Safe storage

TST-UJ25

AKA The Wheel

Catalog Number	
TST-UJ25	Tool Kit
BLDST-UJ25	Replacement Blade
Specifications	
Weight	0.40 lbs.
Length	6.00"
Height	2.00"
Width	1.10"
Stripping Capacity	
Min. Cable Diameter	.98" (25mm)
Approximate Min. Cable Size	
15kv	#2 AWG
35kv	#2 AWG
600V	350 kcmil
Insulation Range	0-.2" (0-5mm)
Applicable Layer	**Outer Jacket**

Kit Includes:
- Stripping tool
- Molded carrying case

J

Stripping Tool
For Removal of Outer Jacket

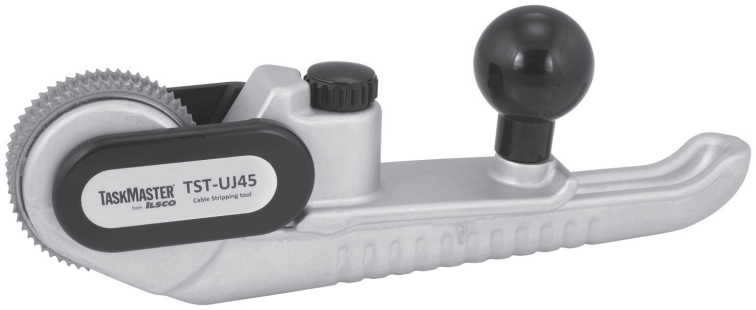
RoHS Compliant

TYPE
WSI

Features
- TaskMasterPRO five year tool warranty
- Ultra rigid design
- Turn click blade adjustment
- Double-sided interchangeable blade
- Traction wheel
- Able to be used on end of cable or midspan

Benefits
- Ensures confidence for durability & quality
- Capable of cutting HDPE conduit
- Provides accurate blade depth without free movement
- Extends life of tool and creates convenience
- Grips outer jacket to make removal easier
- Allows for additional versatility

TST-UJ45



AKA The Mega Wheel

Catalog Number	
TST-UJ45	Tool Kit
BLDST-UJ45	Replacement Blade
Specifications	
Weight	1.90 lbs.
Length	9.00"
Height	3.00"
Width	1.50"
Stripping Capacity	
Min. Cable Diameter	1.77" (45mm)
Approximate Min. Cable Size	
15kv	750 kcmil
35kv	350 kcmil
Insulation Range	0-.2" (0-5mm)
Applicable Layer	**Outer Jacket**

Kit Includes:
- Stripping tool
- Durable carrying bag

J

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Stripping Tool
For Removal of Outer Jacket

RoHS Compliant

TYPE
WSI

Features
- TaskMasterPRO five year tool warranty
- Robust design
- Turn click blade adjustment
- Quick release latch
- Built in gripping claw
- Ratcheting drive wheel
- Able to be used on end of cable or midspan

Benefits
- Ensures confidence for durability & quality
- Removes the toughest outer jackets
- Provides accurate blade depth without free movement
- Keeps settings the same while releasing conductor
- Easy removal of difficult jackets
- Ease of lateral cutting
- Allows for additional versatility

TST-CJ54

AKA The Claw

Catalog Number	
TST-CJ54	Tool Kit
BLDST-CJ54	Replacement Blade
Specifications	
Weight	2.50 lbs.
Length	9.00"
Height	4.00"
Width	2.50"
Stripping Capacity	
Max. Cable Diameter	2.13" (54mm)
Approximate Max. Cable Size	
15kv	1000 kcmil
35kv	750 kcmil
600V	1500 kcmil
Insulation Range	0-.2" (0-5mm)
Applicable Layer	**Outer Jacket**

Kit Includes:
- Stripping tool
- Hex wrench
- Durable carrying bag

J

TASKMASTER Tools from ILSCO

Scoring Tool
For Removal of Non-Bonded Semi-Con Layer

RoHS Compliant

TYPE
WSI

Features
- TaskMasterPRO five year tool warranty
- Turn click blade adjustment
- Start clamp
- Blade direction lever
- Compact and light weight
- Scores semi-con layer

Benefits
- Ensures confidence for durability & quality
- Provides accurate blade depth without free movement
- Provides consistency with determined score length and start point
- Allows for lateral, concentric, and spiral scoring
- Ease of use in limited space
- Does not damage primary layer

TST-CNS41

AKA The Scorer

Catalog Number	
TST-CNS41	Tool Kit
BLDST-CNS41	Replacement Blade
Specifications	
Weight	0.50 lbs.
Length	5.00"
Height	3.30"
Width	2.00"
Stripping Capacity	
Max. Cable Diameter	1.61" (41mm)
Approximate Max. Cable Size	
15kv	1000 kcmil
35kv	1000 kcmil
Insulation Range	0-.08" (0-2mm)
Applicable Layer	**Non-Bonded Semi-Con**

Kit Includes:
- Scoring tool
- Allen wrench
- Tube of silicone grease
- Start clamp
- Molded carrying case

J

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Chamfering Tool

RoHS Compliant

TYPE
WSI

Features
- TaskMasterPRO five year tool warranty
- Teflon® coated plates
- Angled blade

Benefits
- Ensures confidence for durability & quality
- Provides optimal sliding on cable without silicone grease
- Allows for quick and easy chamfering of insulation

TST-CC60

Not recommended for penciling

Catalog Number	
TST-CC60	Tool Kit
BLDST-CC60	Replacement Blade
Specifications	
Weight	0.70 lbs.
Length	5.50"
Height	3.30"
Width	1.00"
Stripping Capacity	
Max. Cable Diameter	2.36" (60mm)
Insulation Range	0-.59" (0-15mm)
Applicable Layer	**Primary Insulation**

Kit Includes:
- Chamfering tool
- Allen wrench
- Durable carrying bag

J

Hand Ratchet Cutter

TASKMASTER TOOLS from ILSCO

RoHS Compliant

TYPE
CTRI

Features
- TaskMasterPRO five year tool warranty
- Patented two-step ratchet mechanism
- Insulated handles
- Lightweight

Benefits
- Ensures confidence for durability & quality
- Requires fewer strokes per cut
- Added safety and shock absorption
- Portability

TRC-CUT750CU

Catalog Number	
TRC-CUT750CU	Copper and Aluminum Cutter
Specifications	
Weight	1.76 lbs.
Length	11.2"
Jaw Opening	2"
Stripping Capacity	
CU Code Wire	750 kcmil - #8
AL Code Wire	Up to 2"

DO NOT CUT: ACSR Cable, Steel, Ground Rod, Rebar or Guy Wire

Includes:
- Cutter
- Instruction Manual

TRC-CUT32ACSR

Catalog Number	
TRC-CUT32ACSR	ACSR Cutte
Specifications	
Weight	3.36 lbs.
Length	14"
Jaw Opening	1.25"
Stripping Capacity	
ACSR	477 kcmil
Guy Wire	1/2"
CU, AL Str	1.25"
CU Sol	1"

DO NOT CUT: EHS Guy Wire

Includes:
- Cutter
- Instruction Manual

J

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Cable Cutters

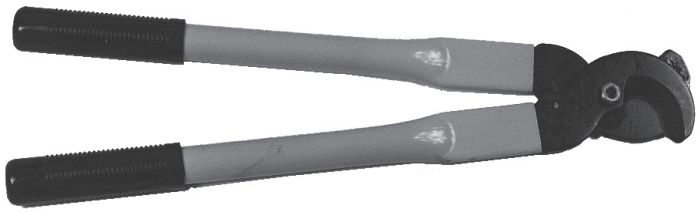
RoHS Compliant

TYPE CTR-500

Features
- Sharp precision ground blades
- Moly steel blades
- Durable 20-3/4" fiberglass handles
- Cuts copper and aluminum cable up to 500kcmil

Benefits
- Provides clean, distortion-free cuts
- Offers extra strength to prevent blade breakage, blades stay sharper longer
- Provides easy handling
- Provides wide cutting range

CTR-500

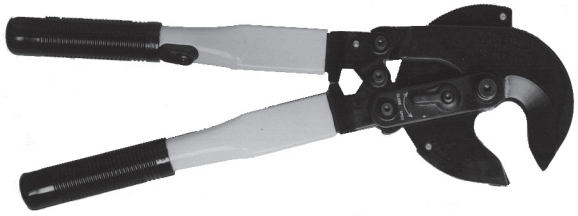


TYPE CTR-750

Features
- Cuts copper and aluminum cable up to 750kcmil
- Lightweight
- Ratchet mechanism
- 16" length
- Open/close lever
- Alloy steel precision ground replaceable blades

Benefits
- Provides large cutting capacity
- Weight of only 3 lbs. prevents operator fatigue
- Allows large cables to be cut with minimum effort
- Compact size provides ease of use in cramped spaces
- Lever that controls cutting blade direction makes the tool easy to use
- Provides years of service by being able to replace blades when necessary

CTR-750



All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

J

TYPE
MECHANICAL TOOLS

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

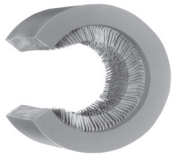


Fig. 7

Catalog Number	Figure Number	Description	Hex Size	Length
HW-13	2	Screwdriver Bit for TS-35, .214 x .040	-	-
HW-14	2	Screwdriver Bit for TS-35, .250 x .042	-	-
TK-1	-	Torque Kit with TS-35, HW-13, HW-14, TW-1, DR-516, DR-38, Case	-	-
TK-2	-	Torque Kit with TS-35, HW-13, HW-14, TW-750R, TW-150R, DR-516, DR-38, Case	-	-
TS-35	1	Torque Screwdriver 0-36 lbs.	-	-
TW-1	3	Torque Wrench 0-600 in. lbs.	-	-
TW-150R	4	Torque Wrench (Rachet type) 5-150 in. lbs.	-	-
TW-750R	4	Torque Wrench (Rachet type) 100-750 in. lbs.	-	-
WR-1	6	Double Wrench	3/16, 5/16	4
WR-1A	5	Wrench	3/16	4-1/2
WR-4	5	Wrench	5/16	3-3/16
WR-9	5	Wrench	5/16	10
WR-10	5	Wrench	3/8	10
WR-12	5	Wrench	1/2	5-1/2
WC	7	Wire Brush	-	-

J

Heat Gun

RoHS Compliant

TYPE
Electric Heat Gun

Features
- Two temperature settings 750F and 1100F
- Three way switch OFF/HI/LO
- Built-in fold down stand
- 1200 Watt 120 V AC
- Heat deflector
- Impact resistant case
- Six foot cord
- Supplied in plastic carrying case

Benefits
- Provides versatility in applying recommended heat, deliverable in seconds
- Aids in producing proper air flow from heat gun
- Provides hands free operation
- Provides high output of air and heat
- Allows for concentration of heat for rapid heat shrink process
- Provides extra durability in harsh environments
- Provides operator convenience
- Provides ease of storage and accessibility

Catalog Number	Description
27001	Heat Gun, 11 Disks Thin Wall Heat Shrink
94502	Electric Heat Gun 120v
94504	Replacement Adaptor for 94502

J

ILSCO connections matter

Information Sheet

Series ALNS, ALND, ASNS, ASND, ALNB, ASNB, ALNN, ASNN, and ASN[a]

Compression Connectors for Aluminum or Copper Conductor

RoHS Compliant

UL LISTED 453G LR-29601

Tooling Information

			ILSCO													
			MT-25[b] Hand Dieless	94285		IDT-6[b], IDT-6H[b], IDTB-6[b] series (6-Ton Hydraulic Dieless)	IDT-12-N[b] (Dieless)	ILC-12-N, ILC-12H-N, ILCB-12 series (12-Ton Hydraulic)		TM-12U1000, TR-12U1000, TB-12U1000 series (12-Ton Hydraulic)		ILC-15H (15-Ton)		IVTB-6[b] (Dieless)	TM-6DF1000[b], TR-6DF1000[b], TB-6DF1000[b] series (Dieless)
Lug/Splice Size	Wire Size	Color Code	Crimps	Die Code	Crimps	Crimps	Crimps	Die Code	Crimps	Die Code	Crimps	Die Code	Crimps	Crimps	Crimps
8	8 AWG	Blue	1	M,K	2	1		ILD-374	1	ILD-374	1	ILD-374	1	1	1
6	6 AWG	Gray	1	K,K	2	1	1	ILD-346	1	ILD-346	1	ILD-346	1	1	1
4	4 AWG	Green	1	H,H	3	1	1	ILD-375	1	ILD-375	1	ILD-375	1	1	1
2	2 AWG	Pink	2	E,A	3	1	1	ILD-348	1	ILD-348	1	ILD-348	1	2	1[c]
1	1 AWG	Gold	2	E,A	3	1	1	ILD-471	1	ILD-471	1	ILD-471	1	2	1[c]
1/0	1/0 AWG	Tan	2	A,C	3	1	1	ILD-296	1	ILD-296	1	ILD-296	1	2	1[c]
2/0	2/0 AWG	Olive	2	A,B	3	2	1	ILD-297	1[c]	ILD-297	1[c]	ILD-297	1[c]	2	2
3/0	3/0 AWG	Ruby	2	A,A	3	2	1	ILD-467	1[c]	ILD-467	1[c]	ILD-467	1[c]	2	2
4/0	4/0 AWG	White	2			2	1	ILD-298	2	ILD-298	2	ILD-298	2	2	2
250	250 kcmil	Red				2	1	ILD-324	2	ILD-324	2	ILD-324	2	2	2
300	300 kcmil	Blue				2	1	ILD-470	2	ILD-470	2	ILD-470	2	2	2
350	350 kcmil	Brown				2	1	ILD-299	2	ILD-299	2	ILD-299	2	2	2[d]
400	400 kcmil	Green				2	1	ILD-472	4	ILD-472	4	ILD-472	4	2	2[e]
500	500 kcmil	Pink				2[e]	1	ILD-300	4	ILD-300	4	ILD-300	4	2	2[e]
600	600 kcmil	Black				2[e]	1	ILD-473	4	ILD-473	4	ILD-473	4		2[e]
700/750	700/750 kcmil	Yellow				2[e]	1	ILD-936	3	ILD-936	3	ILD-936	3		2[e]
700/750[g]	900 kcmil Compact Al	Yellow						ILD-936	3	ILD-936	3	ILD-936	3		
1000	1000 kcmil	Brown										ILD-P302[h]	3		

Additional Information:

1) The ALNS, ALND, ASNS, ASND, ALNB, ASNB, ALNN, ASNN, and ASN connectors are marked with the die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly space on connector.

2) Consult manufacturers data for catalog numbers of dies for each tool.

[a] Number of crimps shown on chart must be applied to both sides of ASN splice connector's centerline.

[b] Dieless tools are not color coded and do not require dies.

[c] For ASN splicer connector, apply 2 crimps on both sides of splice connector's centerline.

[d] For ASN splicer connector, apply 3 crimps on both sides of splice connector's centerline.

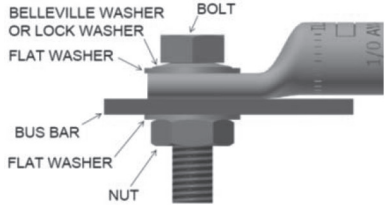
[e] For ASN splicer connector, apply 4 crimps on both sides of splice connector's centerline.

[g] 700/750 size lug/splice are additionally rated for use with 900 kcmil compact aluminum wire.

[h] The die index of ILD-P302 is 302.

Connector Installation

1. Select proper connector for the wire size to be used. Series can be used with concentric, compressed or compact aluminum or copper wire.
2. Strip wire insulation using an approved method. Do not nick or ring the wire. Remove any major coating on the wire.
3. Remove surface oxides from the wire with a wire brush.
4. Insert wire all the way into the barrel of the connector.
5. Select the proper die for approved tool. See chart above for approved tools and dies. Compress barrel from tang toward wire, or from inside of ASN connector towards wire.
6. When terminating an aluminum connector to a steel or copper stud, use a belleville or compression type washer in combination with a flat washer. Tighten until the belleville washer is flat.



Information Sheet

Series ALNS, ALND, ASNS, ASND, ALNB, ASNB, ALNN, ASNN, and ASN[a]

Compression Connectors for Aluminum or Copper Conductor

RoHS Compliant

UL LISTED 453G

SA LR-29601

Tooling Information

			BURNDY								THOMAS AND BETTS			GREENLEE						ANDERSON	RIDGID			UTILCO		
			Y500CT-HS, PAT600		PAT81KFT[b], Y81KFT[b], Y81KFTMBH[b], PAT4PC834[b] (6-Ton Hydraulic Dieless)	Y644M[b], PAT644XT[b] (Dieless)	Y35, Y35BH, Y39, Y750, Y750BH, PAT750XT		Y46, Y46C, PAT46		TBM8-750M[b], TBM8-750BSCR[b], TBM8-750[b] (Dieless)	TBM14M, TBM14MC, TBM14BSCR, BPLT14BSCR, BPLT14BSCRI, 13100A, TBM15I, BPLT15BSCR		EK06FT[b], HK06FT[b], RK06FT[b] (6-Ton Hydraulic Dieless)	EK1240, HK1240, RK1240 (12-Ton Hydraulic)		1990[b] (Dieless)	RK1550		VC6-FT[b], VC6-FTR[b], VC6-FT-BP[b], VC7-FT[b], VC7-FTR[b] (Dieless)	RE 6[b] (Dieless)	RE 12-M		UM-U42, UR-U42, BLL-U42 series (12-Ton Hydraulic)		UM-4PT[b], UR-4PT[b], BLL-4PT[b] series (Dieless)
Lug/Splice Size	Wire Size	Color Code	Die Code	Crimps	Crimps	Crimps	Die Code	Crimps	Die Code	Crimps	Crimps	Die Code	Crimps	Crimps	Die Code	Crimps	Crimps	Die Code	Crimps	Crimps	Crimps	Die Code	Crimps	Die Code	Crimps	Crimps
8	8 AWG	Blue	X8CART	1	1		U8CABT	1	U8CABT	1	1	ILD-374	1	1	ILD-374	1	1	ILD-374	1	1	1	ILD-374	1	ILD-374	1	1
6	6 AWG	Gray	W161	1	1	1	U6CABT	1	U6CABT	1	1	ILD-346	1	1	ILD-346	1	1	ILD-346	1	1	1	ILD-346	1	ILD-346	1	1
4	4 AWG	Green	W162	2	1	1	U4CABT	1	U4CABT	1	1	ILD-375	1	1	ILD-375	1	1	ILD-375	1	1	1	ILD-375	1	ILD-375	1	1
2	2 AWG	Pink	W239	2	1[c]	1	U2CABT	1	U2CABT	1	1	ILD-348	1	1	ILD-348	1	1	ILD-348	1	1	2	ILD-348	1	ILD-348	1	1[c]
1	1 AWG	Gold	W163	2	1[c]	1	U1CABT	1	U1CABT	1	1	ILD-471	1	1	ILD-471	1	1	ILD-471	1	1	2	ILD-471	1	ILD-471	1	1[c]
1/0	1/0 AWG	Tan	W241	2	1[c]	1	U25ART	1	U25ART	1	1	ILD-296	1	1	ILD-296	1	1	ILD-296	1	1	2	ILD-296	1	ILD-296	1	1[c]
2/0	2/0 AWG	Olive	W245	2	2	1	U26ART	2	U26ART	2	1	ILD-297	1[c]	2	ILD-297	1[c]	1	ILD-297	1[c]	2	2	ILD-297	1[c]	ILD-297	1[c]	2
3/0	3/0 AWG	Ruby	W166	2	2	1	U27ART	2	U27ART	2	1	ILD-467	1[c]	2	ILD-467	1[c]	1	ILD-467	1[c]	2	2	ILD-467	1[c]	ILD-467	1[c]	2
4/0	4/0 AWG	White	W660	2	2	1	U28ART	2	U28ART	2	2	ILD-298	2	2	ILD-298	2	1	ILD-298	2	2	2	ILD-298	2	ILD-298	2	2
250	250 kcmil	Red			2	1	U29ART	2	U29ART	2	2	ILD-324	2	2	ILD-324	2	1	ILD-324	2	2	2	ILD-324	2	ILD-324	2	2
300	300 kcmil	Blue			2	1	U30ART	2	U30ART	2	2	ILD-470	2	2	ILD-470	2	1	ILD-470	2	2	2	ILD-470	2	ILD-470	2	2
350	350 kcmil	Brown	W31ART	3	2[d]	1	U31ART	2	U31ART	2	2	ILD-299	2	2	ILD-299	2	1	ILD-299	2	2	2	ILD-299	2	ILD-299	2	2[d]
400	400 kcmil	Green			2[e]	1	U32ART	4	U32ART	4	2	ILD-472	4	2	ILD-472	4	1	ILD-472	4	2	2	ILD-472	4	ILD-472	4	2[e]
500	500 kcmil	Pink			2[e]	1	U34ART	4	U34ART	4	2	ILD-300	4	2[e]	ILD-300	4	1	ILD-300	4	2	2	ILD-300	4	ILD-300	4	2[e]
600	600 kcmil	Black			2[e]	1	U36ART	4	U36ART	4	2	ILD-473	4	2[e]	ILD-473	4	1	ILD-473	4	2		ILD-473	4	ILD-473	4	2[e]
700/750	700/750 kcmil	Yellow			2[e]	1	U39ART	4	U39ART	4	2	ILD-936	3	2[e]	ILD-936	3	1	ILD-936	3	4		ILD-936	3	ILD-936	3	2[e]
700/750[h]	900 kcmil compact Al	Yellow										ILD-936	3		ILD-936	3		ILD-936	3			ILD-936	3	ILD-936	3	
1000	1000 kcmil	Brown				1[f,g]			P44ART	4								ILD-P302[k]	3							

Additional Information:

1) The ALNS, ALND, ASNS, ASND, ALNB, ASNB, ALNN, ASNN, and ASN connectors are marked with the die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly space on connector.

2) Consult manufacturers data for catalog numbers of dies for each tool.

[a] Number of crimps shown on chart must be applied to both sides of ASN splice connector's centerline.

[b] Dieless tools are not color coded and do not require dies.

[c] For ASN splicer connector, apply 2 crimps on both sides of splice connector's centerline.

[d] For ASN splicer connector, apply 3 crimps on both sides of splice connector's centerline.

[e] For ASN splicer connector, apply 4 crimps on both sides of splice connector's centerline.

[f] ASN-1000 splicer connector is NOT UL listed or CSA certificated with Y644M dieless tool.

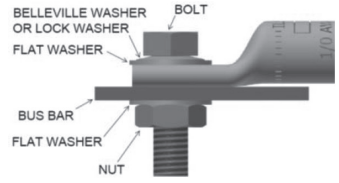
[g] 1000 size lug/splice are NOT UL listed or CSA certificated with PAT644XT dieless tool.

[h] 700/750 size lug/splice are additionally rated for use with 900 kcmil compact aluminum wire.

[k] The die index of ILD-P302 is 302.

Connector Installation

1. Select proper connector for the wire size to be used. Series can be used with concentric, compressed or compact aluminum or copper wire.
2. Strip wire insulation using an approved method. Do not nick or ring the wire. Remove any major coating on the wire.
3. Remove surface oxides from the wire with a wire brush.
4. Insert wire all the way into the barrel of the connector.
5. Select the proper die for approved tool. See chart above for approved tools and dies. Compress barrel from tang toward wire, or from inside of ASN connector towards wire.
6. When terminating an aluminum connector to a steel or copper stud, use a belleville or compression type washer in combination with a flat washer. Tighten until the belleville washer is flat.



ILSCO connections matter

Information Sheet

Series ALNS, ALND, ASNS, ASND, ALNB, ASNB, ALNN, ASNN, and ASN[a]

Compression Connectors for Aluminum or Copper Conductor

RoHS Compliant

UL LISTED 453G

SA LR-29601

Range Taking (for ILSCO, BURNDY, GREENLEE, RIDGID and UTILCO Dieless Tools)

Lug/Splice Size	Standard Wire Size	Expanded Wire Range	ILSCO MT-25[b] Crimps	ILSCO IVTB-6[b] Crimps	ILSCO IDT-6[b], IDT-6H[b], IDTB-6[b] series Crimps	ILSCO IDT-12-N[b] Crimps	ILSCO TM-6DF1000[b], TR-6DF1000[b], TB-6DF1000[b] series Crimps	BURNDY PAT4PC834[b], PAT81KFT[b], Y81KFT[b], Y81KFTMBH[b] Crimps	BURNDY Y644M[b] Crimps	GREENLEE EK06FT[b], HK06FT[b], RK06FT[b] Crimps	RIDGID RE 6[b] Crimps	UTILCO UM-4PT[b], UR-4PT[b], BLL-4PT[b] series Crimps
4	4 AWG	4 - 6 AWG	1	1	1	1	1	1		1	1	1
2	2 AWG	2 - 6 AWG	2	2	1	1	1[c]	1[c]		1	2	1[c]
1	1 AWG	1 - 2 AWG	2	2	1	1	1[c]	1[c]		1	2	1[c]
1/0	1/0 AWG	1/0 - 1 AWG	2	2	1	1	1[c]	1[c]		1	2	1[c]
2/0	2/0 AWG	2/0 - 1 AWG	2	2	2	1	2	2		2	2	2
3/0	3/0 AWG	3/0 - 1 AWG	2	2	2	1	2	2		2	2	2
4/0	4/0 AWG	4/0 - 1 AWG	2	2	2	1	2	2		2	2	2
250	250 kcmil	250 kcmil - 1/0 AWG		2	2	1	2	2		2	2	2
300	300 kcmil	300 kcmil - 2/0 AWG		2	2	1	2	2		2	2	2
350	350 kcmil	350 kcmil - 3/0 AWG		2	2	1	2[d]	2[d]		2	2	2[d]
400	400 kcmil	400 kcmil - 4/0 AWG		2	2	1	2[e]	2[e]		2	2	2[e]
500	500 kcmil	500 kcmil - 4/0 AWG		2	2[e]	1	2[e]	2[e]		2[e]	2	2[e]
600	600 kcmil	600 kcmil - 250 kcmil			2[e]	1	2[e]	2[e]		2[e]		2[e]
700/750	700/750 kcmil	750 kcmil - 500 kcmil			2[e]	1	2[e]	2[e]		2[e]		2[e]
1000	1000 kcmil	1000 kcmil - 750 kcmil							1[f]			

[a] Number of crimps shown on chart must be applied to both sides of ASN splice connector's centerline.

[b] Dieless tools are not color coded and do not require dies.

[c] For ASN splicer connectors, apply 2 crimps on both sides of splice connector's centerline.

[d] For ASN splicer connectors, apply 3 crimps on both sides of splice connector's centerline.

[e] For ASN splicer connectors, apply 4 crimps on both sides of splice connector's centerline.

[f] ASN-1000 splicer connector is NOT UL listed or CSA certificated with Y644M dieless tools.

Information Sheet (Series CS, CL)

Compression Connectors for Class B/C Copper Wire Only (CU9)

WARNING! Do Not Use With Aluminum Wire

RoHS Compliant

UL LISTED 453G

CSA LR-29601

ILSCO TOOLS

Lug Size	Color Code	Die Index	Manual Hand Tools: 94285 Left Die	94285 Right Die	94285 # Crimps	MT-25 # Crimps	ILC-10-N Index #	ILC-10-N # Crimps	Hydraulic Tools: IDT-6, IDT-6H 6.2 Ton Dieless, IDTB-6, IDTB-6-LIO 6.2 Ton Dieless Battery # Crimps	IVTB-6 6 Ton Dieless Battery # Crimps	ILC-12-N, ILC-12H-N, ILC-12, ILC-12H, ILC-14, ILC-14H 12 Ton, ILCB-12-N, ILCB-12, ILCB-12-LIO 12 Ton Battery # Crimps	TM-12U1000, TR-12U1000, TB-12U1000 Series 12 Ton # Crimps	IDT-12-N 15 Ton Dieless # Crimps	IDT-12, IDT-12H, IDTB-12 11 Ton Dieless # Crimps	TM-6DF1000, TR-6DF1000, TB-6DF1000 Series 6 Ton Dieless # Crimps	ILC-15H 15 Ton, ILC-30H 30 Ton # Crimps	ILC-750 # Crimps
8 ** †	Red	21	M	K	2	1	Red	1		1	1	1			1	1	1
6 ** †	Blue (p)	24 (p)	M	K	2	1	Blue	2	1	1	1	1			1	1	1
4 ** †	Gray	29	K	K	2	1	Gray	2	1	1	1 (m)	1 (m)	1	1	1	1	1
3 ** $	White	29	K	K	2	1	Gray	2	1	1	1	1	1	1	1	1	1
2 ** †	Brown	33	H	H	2	2	Brown	2	1	1	1	1	1	1	1	1	1
1 **	Green	37	H	H	2	2	Green	2	1	1	1	1	1	1	1	1	1
1/0 **	Pink	42	E	A	2	2	Pink	4	1	1	1	1	1	1	1	1	1
2/0 **	Black	45	E	A	3	2			1	1	1	1	1	1	1	1	1
3/0 **	Orange	50	A	C	3	2			2	1	1	1	1	1	1	1	1
4/0 **	Purple	54	A	B	3	2			2	1	1	1	1	1	1	1	1
250 **	Yellow	62	A	A	3	2			2	1	1	1	1	1	2	1	1
300 **	White	66							2	1	2	2	1	1	2	2	2
350 **	Red	71							2	2	2	2	1	1	2	2	2
400 **	Blue	76							2	2	2	2	1	1	2	2	2
500 **	Brown	87							2	2	2	2	1	1	2	2	2
600	Green	94							2	2	2	2	1	1	2	2	2
650	Pink	99							2	2	2	2	1	1	2	2	2
700	Pink	99							3	2	2	2	1	1	3	2	2
750	Black	106							3	2	2	2	1	1	3	2	2
1000	White	125									2	2	1	1	3	2	

COMPETITORS' TOOLS

Lug Size	Greenlee K111 Index #	Greenlee K111 # Crimps	Greenlee HK1240, RK1240, EK1240 Series Index #	Greenlee HK1240, RK1240, EK1240 Series # Crimps	Greenlee RK1550, EK1550 Seires # Crimps	Greenlee HK06FT, RK06FT, EK06FT Series Dieless # Crimps	Greenlee 1990 Dieless # Crimps	UTILCO UM-4PT, UR-4PT, BLL-4PT Series 6 Ton Dieless # Crimps	UTILCO UM-U42, UR-U42, BLL-U42 Series 12 Ton Index #	UTILCO UM-U42, UR-U42, BLL-U42 Series 12 Ton # Crimps	Lug Size
8 ** †	Red	1	21	1	1			1	21	1	8 ** †
6 ** †	Blue	2	24 (p)	1	1	1		1	24(p)	1	6 ** †
4 ** †	Gray	2	29	1 (m)	1	1	1	1	29	1(m)	4 ** †
3 ** $	Gray	2	29	1	1	1	1	1	29	1	3 ** $
2 ** †	Brown	2	33	1	1	1	1	1	33	1	2 ** †
1 **	Green	2	37	1	1	1	1	1	37	1	1 **
1/0 **	Pink	4	42	1	1	1	1	1	42	1	1/0 **
2/0 **			45	1	1	1	1	1	45	1	2/0 **
3/0 **			50	1	1	2	1	1	50	1	3/0 **
4/0 **			54	1	1	2	1	1	54	1	4/0 **
250 **			62	1	1	2	1	2	62	1	250 **
300 **			66	2	2	2	1	2	66	2	300 **
350 **			71	2	2	2	1	2	71	2	350 **
400 **			76	2	2	2	1	2	76	2	400 **
500 **			87	2	2	2	1	2	87	2	500 **
600			94	2	2	2	1	2	94	2	600
650			99	2	2	2	1	2	99	2	650
700			99	2	2	3	1	3	99	2	700
750			106	2	2	3	1	3	106	2	750
1000			125	2	2		1	3	125	2	1000

COMPETITORS' TOOLS

Lug Size	Harger MCT # Crimps	Harger MCT81/0 Index #	Harger MCT81/0 # Crimps	Anderson VC6-FT, VC6-FTR, VC6-FT-BP, VC7-FT, VC7-FTR Dieless # Crimps	Burndy Y1MR, Y1MRTC Index #	Burndy Y1MR, Y1MRTC # Crimps	Burndy PAT4PC834, PAT81KFT, Y4PC834, Y81KFT, Y81KFTMBH Dieless # Crimps	Burndy Y644M, PAT644 Dieless # Crimps	Burndy Y35, Y35BH, Y39, Y750, Y750BH, PAT750 Die Part #	Burndy Y35, Y35BH, Y39, Y750, Y750BH, PAT750 # Crimps	Burndy Y46, Y46C (Requires Die Adapter) Die Part #	Burndy Y46, Y46C (Requires Die Adapter) # Crimps	T&B 13100A, TBM14M, TBM14BSCR Die Part #	T&B 13100A, TBM14M, TBM14BSCR # Crimps	T&B ***CAUTION: See Note (f) below*** TBM8-750, TBM8-750M-1, TBM8-750BSCR Dieless # Crimps	T&B ***CAUTION: See Note (f) below*** BAT22-6 # Crimps	T&B TBM21E, TBM41E; Index #	T&B TBM21E, TBM41E; # Crimps	T&B TBM25S, TBM45S Index #	T&B TBM25S, TBM45S # Crimps	T&B TBM5S, TBM6S Index #	T&B TBM5S, TBM6S # Crimps	Panduit **CAUTION: See Note (f) below** WT115A Index #	Panduit WT115A # Crimps	Panduit **CAUTION: See Note (f) below** CT-1700 Index #	Panduit CT-1700 # Crimps	Panduit **CAUTION: See Note (f) below** CT-2001 Index #	Panduit CT-2001 # Crimps	Ridgid RE 6 Dieless # Crimps	Ridgid RE 12-M Index #	Ridgid RE 12-M # Crimps	Lug Size
8 ** †	1	Red	1	1	Red	1	1		U8CRT	1	U8CRT	1	15520	1	1	2	Red	1	Red	1	D8	1	Red	1	Red	1	1	21	1	8 ** †
6 ** †	1	Blue	2	1	Blue	2	1		U8CRT	1	U8CRT	1	15522	1	1	2	Blue	1 (k)	Blue	1	E6	1	Blue	1	Blue	1	1	24 (p)	1	6 ** †
4 ** †	1	Gray	2	1	Gray	2	1	1	U4CRT	1	U4CRT	1	15527-CK	1	1		Gray	1 (g) (k)	Gray	1	E6	1	Blue	1	Gray	1	1	29	1 (m)	4 ** †
3 ** $	1	Gray	2	1	White	2	1	1	U3CRT	1	U3CRT	1	15527-CK	1			Gray	1	Gray	1	F4	1	Gray	1	Gray	1	1	29	1	3 ** $
2 ** †	2	Brown	2	1	Brown	2	1	1	U2CRT	1	U2CRT	1	15528	1	1		Brown	1 (k)	Brown	1	G2	1	Brown	1	Brown	1	1	33	1	2 ** †
1 **	2	Green	2	1			1	1	U1CRT-1	1	U1CRT-1	1	15513-CK	1	1				Green	1			Green	1	Green	1	1	37	1	1 **
1/0 **	2	Pink	4	1			1	1	U25RT	1	U25RT	1	15508	1	1				Pink	1					Pink	1	1	42	1	1/0 **
2/0 **	2			1			1	1	U26RT	1	U26RT	1	15526	1	1				Black	1					Black	1	1	45	1	2/0 **
3/0 **	2			1			1	1	U27RT	1	U27RT	1	15530	1	1				Orange	1					Orange	1	1	50	1	3/0 **
4/0 **	2			1			1	1	U28RT	1	U28RT	1	15511	1	1				Purple	1					Purple	1	1	54	1	4/0 **
250 **	2			2			2	1	U29RT	1	U29RT	1	15510-CK	1	1				Yellow	1					Yellow	1	1	62	1	250 **
300 **				2			2	1	U30RT	2	U30RT	2	15534	2	1										White	1	1	66	2	300 **
350 **				3 *			2	1	U31RT	2	U31RT	2	15514-CK	2	1										Red	1	2	71	2	350 **
400 **				3 *			2	1	U32RT	2	U32RT	2	15512	2	1												2	76	2	400 **
500 **				3 *			2	1	U34RT	2	U34RT	2	15506	2	1												2	87	2	500 **
600				4 *			2	1	U36RT	2	U36RT	2	15536-CK	2	1												2	94	2	600
650				4 *			2	1	U38RT	2	U38RT	2	15505	2	1												2	99	2	650
700				4 *			3	1	U38RT	2	U38RT	2	15505	2	1												2	99	2	700
750				4 *			3	1	U39RT	2	U39RT	2	15515-CK	2	1												2	106	2	750
1000							3	1			P44RT	3	15504	2														125	2	1000

* Dieless - Crimps will overlap
** See note f below
† See note h below
$ See note n below

RANGE TAKING

Lug Size	Standard Wire Size	Expanded Wire Size	No. Crimps for ILSCO IDT-12, IDT-12-N and Burndy Y644M, PAT644	No. Crimps for ILSCO IDTB-6, IDTB-6-LIO, IDT-6 and IDT-6H	No. Crimps for ILSCO IVTB-6 and Ridgid RE 6	No. Crimps for ILSCO TM-6DF1000, TR-6DF1000, TB-6DF1000 Series	No. Crimps for UTILCO UM-4PT, UR-4PT, BLL-4PT Series	No. Crimps for Greenlee HK06FT, RK06FT, EK06FT Series
4	4 AWG	4 - 6 AWG		1	1	1	1	1
3	3 AWG	3 - 6 AWG	1	1	1	1	1	1
2	2 AWG	2 - 6 AWG	1	1	1	1	1	1
1	1 AWG	1 - 6 AWG	1	1	1	1	1	1
1/0	1/0 AWG	1/0 - 6 AWG	1	1	1	1	1	1
2/0	2/0 AWG	2/0 - 4 AWG	1	1	1	1	1	1
3/0	3/0 AWG	3/0 - 2 AWG	1	2	1	1	1	2
4/0	4/0 AWG	4/0 - 1 AWG	1	2	1	1	1	2
250	250 kcmil	250 kcmil - 1/0 AWG	1	2	1	2	2	2
300	300 kcmil	300 kcmil - 2/0 AWG	1	2	1	2	2	2
350	350 kcmil	350 kcmil - 3/0 AWG	1	2	2	2	2	2
400	400 kcmil	400 kcmil - 4/0 AWG	1	2	2	2	2	2
500	500 kcmil	500 kcmil - 250 kcmil	1	2	2	2	2	2
600	600 kcmil	600 kcmil - 250 kcmil	1	2	2	3	3	2
700	700 kcmil	700 kcmil - 350 kcmil	1	3	2	3	3	3
750	750 kcmil	750 kcmil - 500 kcmil	1	3	2	3	3	3
1000	1000 kcmil	1000 kcmil - 750 kcmil	1			3	3	

UL Listed and CSA Certified when installed with tools and dies shown above

a) Connectors are marked with color, die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly spaced on connector.
b) The ILSCO 94285, MT-25 and all dieless tools are not color coded or do not contain the die index.
c) Consult manufacturers data for catalog numbers of dies for each tool.
d) Strip Length = Barrel Length + 1/16 Inch
e) For long barrel connectors double the amount of crimps indicated on chart except for 1000 kcmil add only one additional crimp.
f) UL Complimentary Listed under category KDER and CSA Certified for Grounding & Bonding Applications, suitable for direct burial.
EXCEPTION: Use of T&B TBM8-750 Series, BAT22-6, WT115A or Panduit CT-1700, CT-2001 tools voids the Grounding & Bonding Certifications.
g) For #4 Compact Copper wire, 2 crimps are required for standard barrel connectors. (See note (e) above for long barrel connectors.)
h) Rated for stranded or solid wire, Sol/Str.
k) For solid wire only use table below:

Lug Size	Index #	# Crimps
6	Blue	2
4	Blue	2
2	Brown	2

m) Stranded wire only
n) In addition to #3 stranded wire, CS, CL series #3 lug is also UL listed and CSA certified for use with #2 solid copper wire.
EXCEPTION: It does NOT apply to use of ILSCO 94285, IDT-12 series, ILC-15H, ILC-30H, ILC-750, TM-6DF1000, TR-6DF1000, TB-6DF1000 series; Anderson VC6, VC7 series; Burndy PAT81K, Y81K series; T&B TBM8-750 series, BAT22-6, TBM5S, TBM6S, WT115A; Panduit CT-1700, CT-2001; Greenlee 1990; UTILCO UM-4PT, UR-4PT, BLL-4PT series
p) CS, CL series #6 lug is also UL listed and CSA certified when crimped with red die (die index 21) using ILSCO ILC-12 series, ILC-15H, ILC-30H, ILC-750 or Ridgid RE 12-M crimp tools.

ILSCO connections matter

Information Sheet (Series CS, CL)

Compression Connectors for Fine Strand Copper Wire Only (CU9)

WARNING! Do Not Use With Aluminum Wire

RoHS Compliant

UL LISTED 453G

SA LR-29601

		ILSCO TOOLS																COMPETITORS' TOOLS															
		Manual Hand Tools						Hydraulic Tools										Greenlee							UTILCO									
Lug Size	Fine Strand Wire Size	Color Code	Die Index	94285			ILC-10-N		IDT-6, IDT-6H 6.2 Ton Dieless, IDTB-6, IDTB-6-LIO 6.2 Ton Dieless Battery	IVTB-6 6 Ton Dieless Battery	ILC-12-N, ILC-12H-N, ILC-12, ILC-12H, ILC-14, ILC-14H 12 Ton, ILCB-12-N, ILCB-12, ILCB-12-LIO 12 Ton Battery	TM-12U1000, TR-12U1000, TB-12U1000 Series 12 Ton	IDT-12-N 15 Ton Dieless	IDT-12, IDT-12H IDTB-12 11 Ton Dieless	TM-6DF1000, TR-6DF1000, TB-6DF1000 Series 6 Ton Dieless	ILC-15H 15 Ton, ILC-30H 30 Ton	ILC-750	K111		HK1240, RK1240, EK1240 Series		RK1550, EK1550 Series	HK06FT, RK06FT, EK06FT Series Dieless	1990 Dieless	UM-4PT, UR-4PT, BLL-4PT Series 6 Ton Dieless	UM-U42, UR-U42, BLL-U42 Series 12 Ton		Fine Strand Wire Size	Lug Size
				Left Die	Right Die	# Crimps	Index #	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	Index #	# Crimps	Index #	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	Index #	# Crimps		
8 **	8	Red	21				Red	1		1	1	1			1	1	1	Red	1	21	1	1			1	21	1	8	8 **
6 **	6	Blue	24	M	K	2	Blue	2	1	1	1	1	1	1	1	1	1	Blue	1	24	1	1	1	1	1	24	1	6	6 **
3 **	4	White	29	K	K	2	Gray	2	1	1	1	1	1	1	1	1	1	Gray	2	29	1	1	1	1	1	29	1	4	3 **
1 **	2	Green	37	H	H	2	Green	2	1	1	1	1	1	1	1	1	1	Green	2	37	1	1	1	1	1	37	1	2	1 **
1/0 **	1	Pink	42	H	H	2	Pink	4	1	1	1	1	1	1	1	1	1	Pink	4	42	1	1	1	1	1	42	1	1	1/0 **
2/0 **	1/0	Black	45	E	A	3			1	1	1	1	1	1	1	1	1			45	1	1	1	1	1	45	1	1/0	2/0 **
3/0 **	2/0	Orange	50	E	A	3			1	1	1	1	1	1	2	1	1			50	1	1	1	1	2	50	1	2/0	3/0 **
4/0 **	3/0	Purple	54	A	B	3			1	1	1	1	1	1	2	1	1			54	1	1	1	1	2	54	1	3/0	4/0 **
250 **	4/0	Yellow	62	A	B	3			1	1	1	1	1	1	2	1	1			62	1	1	1	1	2	62	1	4/0	250 **
300 **	250	White	66						1	1	2	2	1	1	2	2	2			66	2	2	1	1	2	66	2	250	300 **
350 **	250, 262	Red	71						1	2	2	2	1	1	2	2	2			71	2	2	1	1	2	71	2	250, 262	350 **
400 **	300, 313	Blue	76						2	2	2	2	1	1	2	2	2			76	2	2	2	1	2	76	2	300, 313	400 **
500 **	350, 373	Brown	87						2	2	2	2	1	1	2	2	2			87	2	2	2	1	2	87	2	350, 373	500 **
600	400, 444	Green	94						2	2	2	2	1	1	2	2	2			94	2	2	2	1	2	94	2	400, 444	600
650	500, 535	Pink	99						2	2	2	2	1	1	2	2	2			99	2	2	2	1	2	99	2	500, 535	650
700	500, 535	Pink	99						3	2	2	2	1	1	3	2	2			99	2	2	3	1	3	99	2	500, 535	700
750	600, 646	Black	106						3	2	2	2	1	1	3	2	2			106	2	2	3	1	3	106	2	600, 646	750
1000	750, 777	White	125								3	3	1	1	3	3				125	3	3		1	3	125	3	750, 777	1000

		COMPETITORS' TOOLS																															
		Harger		Anderson	Burndy							T&B									Panduit				Ridgid								
Lug Size	Fine Strand Wire Size	MCT	MCT81/0	VC6-FT, VC6-FTR, VC6-FT-BP, VC7-FT, VC7-FTR Dieless	Y1MR, Y1MRTC	PAT4PC834, PAT81KFT, Y4PC834, Y81KFT, Y81KFTMBH Dieless	Y644M, PAT644 Dieless	Y35, Y35BH, Y39, Y750, Y750BH, PAT750	Y46, Y46C (Requires Die Adapter)		13100A, TBM14M, TBM14BSCR	CAUTION: See Note (i) below TBM8-750, TBM8-750M-1, TBM8-750BSCR Dieless	CAUTION: See Note (i) below BAT22-6		TBM21E, TBM25S, TBM41E, TBM45S		TBM5S, TBM6S		CAUTION: See Note (f) below WT115A		CAUTION: See Note (f) below CT-1700		CAUTION: See Note (f) below CT-2001		RE 6 Dieless	RE 12-M		Fine Strand Wire Size	Lug Size
		# Crimps	Index #	# Crimps	# Crimps	Index #	# Crimps	# Crimps	# Crimps	Die Part #	# Crimps	Die Part #	# Crimps	Die Part #	# Crimps	# Crimps	# Crimps	Index #	# Crimps	Index #	# Crimps	Index #	# Crimps	Index #	# Crimps	Index #	# Crimps	# Crimps	Index #	# Crimps		
8 **	8	1	Red	1	1	Red	1	1		U8CRT	1	U8CRT	1	15520	1	1	2 (g)	Red	1	Red	1	D8	1	Red	1	Red	1	1	21	1	8	8 **
6 **	6	1	Blue	2	1	Blue	1	1		U5CRT	1	U5CRT	1	15522	1	1		Blue	1	Blue	1	E6	1	Blue	1	Blue	1	1	24	1	6	6 **
3 **	4	1	Gray	2	1	Gray	2	1	1	U4CRT	1	U4CRT	1	15528	1	1		Gray	1	Gray	1	F4	1	Blue	1	Gray	1	1	29	1	4	3 **
2 **	4	2																Gray	1	Gray	1										4	2 **
1 **	2	2	Green	2	1	Brown	2	1	1	U2CRT	1	U2CRT	1	15513-CK	1	1				Brown	1			Brown	1	Green	1	1	37	1	2	1 **
1/0 **	1	2	Pink	4	1			1	1	U1CRT-1	1	U1CRT-1	1	15508	1	1				Green	1					Pink	1	1	42	1	1	1/0 **
2/0 **	1/0	2			1			1	1	U25RT	1	U25RT	1	15526	1	1				Pink	1					Black	1	1	45	1	1/0	2/0 **
3/0 **	2/0	2			2			2	1	U26RT	1	U26RT	1	15530	1	1				Black	1					Orange	1	1	50	1	2/0	3/0 **
4/0 **	3/0	2			2			2	1	U27RT	1	U27RT	1	15511	1	1				Orange	1					Purple	1	1	54	1	3/0	4/0 **
250 **	4/0	2			2			2	1	U28RT	1	U28RT	1	15510-CK	2	1				Purple	1					Yellow	1	1	62	1	4/0	250 **
300 **	250				2			2	1	U29RT	2	U29RT	2	15534	2	1												1	66	2	250	300 **
350 **	250				3 *			2	1	U30RT	2	U30RT	2	"	2	1										Red	1	2	71	2	250	350 **
350 **	262				3 *			2	1	"	2	"	2	"	2	1										Red	1	2	71	2	262	350 **
400 **	300				3 *			2	1	U31RT	2	U31RT	2	15514-CK	2	1												2	76	2	300	400 **
400 **	313				3 *			2	1	"	2	"	2	"	2	1												2	76	2	313	400 **
500 **	350				3 *			2	1	U32RT	2	U32RT	2	15512	2	1												2	87	2	350	500 **
500 **	373				3 *			2	1	"	2	"	2	15517	2	1												2	87	2	373	500 **
600	400				4 *			2	1	U34RT	2	U34RT	2	15536-CK	2	1												2	94	2	400	600
600	444				4 *			2	1	"	2	"	2	"	2	1												2	94	2	444	600
650	500				4 *			2	1	U38CRT	2	U38CRT	2	15505	2	1												2	99	2	500	650
650	535				4 *			2	1	"	2	"	2	"	2	1												2	99	2	535	650
700	500				4 *			3	1	U38XRT	2	U38XRT	2	15505	2	1												2	99	2	500	700
700	535				4 *			3	1	"	2	"	2	"	2	1												2	99	2	535	700
750	600				4 *			3	1	U39RT	2	U39RT	2	15515-CK	2	1												2	106	2	600	750
750	646				4 *			3	1	"	2	"	2	"	2	1												2	106	2	646	750
1000	750							3	1			U44XRT	3	15504	3														125	3	750	1000
1000	777							3	1			"	3	"	3														125	3	777	1000

* Dieless - Crimps will overlap

** See note f below

APPROVED WIRE CLASSES

	B		C		G		H		I		K		M		DLO	
							MOTOR LEAD				WELDING		WELDING		LOCOMOTIVE	
Lug Size	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR
8	8	7	8	19	8	49	8	133	8	41	8	168	8	420	8	37
6	6	7	6	19	6	49	6	133	6	63	6	266			6	61
4	4	7	4	19												
3	3	7	3	19	4	49	4	133	4	105	4	420	4	1064	4	105
2	2	7	2	19	4	49	4	133	4	105	4	420	4	1064	4	105
1	1	19	1	37	2	49	2	133	2	161	2	665	2	1666	2	150
1/0	1/0	19	1/0	37	1	133	1	259	1	210	1	836	1	2107	1	225
2/0	2/0	19	2/0	37	1/0	133	1/0	259	1/0	266	1/0	1064	1/0	2646	1/0	275
3/0	3/0	19	3/0	37	2/0	133	2/0	259	2/0	342	2/0	1323	2/0	3325	2/0	325
4/0	4/0	19	4/0	37	3/0	133	3/0	259	3/0	418	3/0	1666	3/0	4256	3/0	450
250	250	37	250	61	4/0	133	4/0	259	4/0	532	4/0	2107	4/0	5320	4/0	532
300	300	37	300	61	250	259	250	427								
350	350	37	350	61	250	259	250	427	250	637	250	2499	250	6384	262.6	650
400	400	37	400	61	300	259	300	427	300	735	300	2989	300	7581	313.3	775
500	500	37	500	61	350	259	350	427	350	882	350	3458	350	8806	373.7	925
600	600	61	600	91	400	259	400	427	400	980	400	3990	400	10101	444	1150
650	600	61	600	91	500	259	500	427	500	1225	500	5054	500	12691	535.3	1325
700	700	61	700	91	500	259	500	427	500	1225	500	5054	500	12691	535.3	1325
750	750	61	750	91	600	427	600	703	600	1470			600	14945	646	1591
1000	1000	61	1000	91	750	427	750	703	750	1862					777	1924

UL Listed and CSA Certified when installed with tools and dies shown above

a) Connectors are marked with color, die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly spaced on connector.

b) The ILSCO 94285, MT-25 and all dieless tools are not color coded or do not contain the die index.

c) Consult manufacturers data for catalog numbers of dies for each tool.

d) Strip Length = Barrel Length + 1/16 Inch

e) For long barrel connectors double the amount of crimps indicated on chart except for 1000 kcmil add only one additional crimp.

f) UL Complimentary Listed under category KDER and CSA Certified for Grounding & Bonding Applications
EXCEPTION: Use of T&B TBM8-750 Series, BAT22-6, WT115A or Panduit CT-1700, CT-2001 tools voids the Grounding and Bonding Certifications.

g) For #8 AWG Class H wire only, may use 1 or 2 crimps

Series CT and CTL

Compression Connectors for Class B/C Copper Wire Only (CU9)

WARNING! Do Not Use With Aluminum Wire

RoHS Compliant

UL LISTED 453G

LR-29601

	ILSCO TOOLS																T&B TOOLS				GREENLEE TOOLS					RIDGID TOOLS			UTILCO TOOLS			
			Manual Hand Tools						Hydraulic Tools								Manual Tools				Hydraulic Tools				Manual Tool	Hydraulic Tools			Hydraulic Tools			
Lug Size	Color Code	Die Index	94285			MT-25	ILC-10-N		IDT-6, IDT-6H 6.2 Ton Dieless, IDTB-6, IDTB-6-LIO 6.2 Ton Dieless Battery	IVTB-6 6 Ton Dieless Battery	ILC-12-N, ILC-12H-N, ILC-12, ILC-12H, ILC-14, ILC-14H 12 Ton ILCB-12-N, ILCB-12, ILCB-12-LIO 12 Ton Battery	TM-12U1000, TR-12U1000, TB-12U1000 Series 12 Ton	IDT-12-N 15 Ton Dieless	IDT-12, IDT-12H, IDTB-12 11 Ton Dieless	TM-6DF1000, TR-6DF1000, TB-6DF1000 Series 6 Ton Dieless	ILC-15H 15 Ton, ILC-30H 30 Ton	TBM21E, TBM41E,	TBM25S, TBM45S	TBM5S, TBM8S		HK06FT, RK06FT, EK06FT Series Dieless	HK1240, RK1240, EK1240 Series		RK1550, EK1550 Series	K111		RE 6 Dieless	RE 12-M		UM-U42, UR-U42, BLL-U42 Series 12 Ton		UM-4PT, UR-4PT, BLL-4PT Series 6 Ton Dieless	Lug Size
			Left Die	Right Die	# Crimps	# Crimps	Index #	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	# Crimps	Index #	# Crimps	Index #	# Crimps	# Crimps	Index #	# Crimps	# Crimps	Index #	# Crimps	# Crimps	Die Index	# Crimps	# Crimps	
8 ** †	Red	21	M	K	2	1	Red	1		1	1	1			1	1	Red	1	Red	1		21	1	1	Red	1	1	21	1	1	1	8 ** †
6 ** †	Blue (p)	24 (p)	M	K	2	1	Blue	2	1	1	1	1		1	1	1	Blue	1 (m)	Blue	1	1	24 (p)	1	1	Blue	2	1	24 (p)	1	1	6 ** †
4 ** †	Gray	29	K	K	2	1	Gray	2	1	1	1 (n)	1 (n)	1	1	1	1	Gray	1 (h) (m)	Gray	1	1	29	1 (n)	1	Gray	2	1	29	1 (n)	1	4 ** †
3 **	White	29	K	K	2	1	Gray	2	1	1	1	1	1	1	1	1	Gray	1	Gray	1	1	29	1	1	Gray	2	1	29	1	1	3 **
2 ** †	Brown	33	H	H	2	2	Brown	2	1	1	1	1	1	1	1	1	Brown	1 (m)	Brown	1	1	33	1	1	Brown	2	1	33	1	1	2 ** †
1 **	Green	37	H	H	2	2	Green	2	1	1	1	1	1	1	1	1			Green	1	1	37	1	1	Green	2	1	37	1	1	1 **
1/0 **	Pink	42	E	A	2	2	Pink	4	1	1	1	1	1	1	1	1			Pink	1	1	42	1	1	Pink	4	1	42	1	1	1/0 **
2/0 **	Black	45	E	A	3	2			1	1	1	1	1	1	1	1			Black	1	1	45	1	1			1	45	1	1	2/0 **
3/0 **	Orange	50	A	C	3	2			2	1	1	1	1	1	1	1			Orange	1	2	50	1	1			1	50	1	1	3/0 **
4/0 **	Purple	54	A	B	3	2			2	1	1	1	1	1	1	1			Purple	1	2	54	1	1			1	54	1	1	4/0 **
250 **	Yellow	62	A	A	3	2			2	1	1	1	1	1	2	1			Yellow	1	2	62	1	1			1	62	1	2	250 **
300 **	White	66							2	1	2	2	1	1	2	2					2	66	2	2			1	66	2	2	300 **
350 **	Red	71							2	2	2	2	1	1	2	2					2	71	2	2			2	71	2	2	350 **
400 **	Blue	76							2	2	2	2	1	1	2	2					2	76	2	2			2	76	2	2	400 **
500 **	Brown	87							2	2	2	2	1	1	2	2					2	87	2	2			2	87	2	2	500 **
600	Green	94							2	2	2	2	1	1	3	2					2	94	2	2			2	94	2	3	600
650	Pink	99							2	2	2	2	1	1	3	2					2	99	2	2			2	99	2	3	650
700	Pink	99							3	2	2	2	1	1	3	2					3	99	2	2			2	99	2	3	700
750	Black	106							3	2	2	2	1	1	3	2					3	106	2	2			2	106	2	3	750
1000	White	125									2	2	1	1	3	2						125	2	2				125	2	3	1000

** See note f below
† See note k below

RANGE TAKING

Lug Size	Standard Wire Size	Expanded Wire Size	No. Crimps for ILSCO IDT-12, IDT-12-N	No. Crimps for ILSCO IDTB-6, IDTB-6-LIO, IDT-6 and IDT-6H	No. Crimps for ILSCO IVTB-6, Ridgid RE 6	No. Crimps for ILSCO TM-6DF1000, TR-6DF1000, TB-6DF1000 Series	No. Crimps for UTILCO UM-4PT, UR-4PT, BLL-4PT Series	No. Crimps for Greenlee HK06FT, RK06FT, EK06FT Series
4	4 AWG	4 - 6 AWG		1	1	1	1	1
3	3 AWG	3 - 6 AWG	1	1	1	1	1	1
2	2 AWG	2 - 6 AWG	1	1	1	1	1	1
1	1 AWG	1 - 6 AWG	1	1	1	1	1	1
1/0	1/0 AWG	1/0 - 6 AWG	1	1	1	1	1	1
2/0	2/0 AWG	2/0 - 4 AWG	1	1	1	1	1	1
3/0	3/0 AWG	3/0 - 2 AWG	1	2	1	1	1	2
4/0	4/0 AWG	4/0 - 1 AWG	1	2	1	1	1	2
250	250 kcmil	250 kcmil - 1/0 AWG	1	2	1	2	2	2
300	300 kcmil	300 kcmil - 2/0 AWG	1	2	1	2	2	2
350	350 kcmil	350 kcmil - 3/0 AWG	1	2	2	2	2	2
400	400 kcmil	400 kcmil - 4/0 AWG	1	2	2	2	2	2
500	500 kcmil	500 kcmil - 250 kcmil	1	2	2	2	2	2
600	600 kcmil	600 kcmil - 250 kcmil	1	2	2	3	3	2
700	700 kcmil	700 kcmil - 350 kcmil	1	3	2	3	3	3
750	750 kcmil	750 kcmil - 500 kcmil	1	3	2	3	3	3
1000	1000 kcmil	1000 kcmil - 750 kcmil	1			3	3	

UL Listed and CSA Certified when installed with tools and dies shown above

a) Number of crimps shown on chart must be on each end of the CT splicer connectors.
b) The CT connectors are marked with color, the die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly spaced on connector.
c) The ILSCO 94285, MT-25 and all dieless tools are not color coded or do not contain the die index.
d) Consult manufacturers data for catalog numbers of dies for each tool.
e) Strip Length = Barrel Length + 1/16 Inch
f) UL Complimentary Listed under category KDER and CSA Certified for Grounding & Bonding Applications, suitable for direct burial
g) For long barrel (CTL) connectors add one additional crimp to each side of barrel.
h) For #4 Compact Copper wire, 2 crimps are required for standard barrel connectors. (See note (g) above for long barrel (CTL) connectors.)
k) Rated for stranded or solid wire
m) For solid wire only use table below.

Lug Size	Index #	# Crimps
6	Blue	2
4	Blue	2
2	Brown	2

n) Stranded wire only
p) CT, CTL series #6 splice is also UL listed and CSA certified when crimped with red die (die index 21) using ILSCO ILC-12 series, ILC-15H, ILC-30H, or Ridgid RE 12-M crimp tools.

Series CT and CTL

Compression Connectors for Fine Strand Copper Wire Only (CU9)

WARNING! Do Not Use With Aluminum Wire

RoHS Compliant

UL LISTED 453G LR-29601

		ILSCO TOOLS														T&B TOOLS				GREENLEE TOOLS						RIDGID TOOLS			UTILCO TOOLS				
				Manual Hand Tools					Hydraulic Tools								Manual Tools				Hydraulic Tools				Manual Tool	Hydraulic Tools		Hydraulic Tools				
Lug Size	Fine Strand Wire Size	Color Code	Die Index	Left Die	Right Die	# Crimps	Index#	# Crimps	IDT-6, IDT-6H 6.2 Ton Dieless, IDTB-6, IDTB-6-LIO 6.2 Ton Dieless Battery	IVTB-6 6 Ton Dieless Battery	ILC-12-N, ILC-12H-N, ILC-12, ILC-12H, ILC-14, ILC-14H 12 Ton ILCB-12-N, ILCB-12, ILCB-12-LIO 12 Ton Battery	TM-12U1000, TR-12U1000, TB-12U1000 Series 12 Ton	IDT-12-N 15 Ton Dieless	IDT-12, IDT-12H IDTB-12 11 Ton Dieless	TM-6DF1000, TR-6DF1000, TB-6DF1000 Series 6 Ton Dieless	ILC-15H 15 Ton, ILC-30H 30 Ton	TBM21E, TBM41E,	# Crimps	TBM25S, TBM45S	# Crimps	TBM5S, TBM6S	# Crimps	HK06FT, RK06FT, EK06FT Series Dieless	# Crimps	HK1240, RK1240, EK1240 Series	Die Index	# Crimps	RK1550, EK1550 Series	# Crimps	K111	# Crimps	RE 6 Dieless	# Crimps	RE 12-M	Die Index	# Crimps	UM-U42, UR-U42, BLL-U42 Series 12 Ton	Die Index	# Crimps	UM-4PT, UR-4PT, BLL-4PT Series 6 Ton Dieless	# Crimps	Fine Strand Wire Size	Lug Size
							ILC-10-N									Index #		Index #																		
8 **	8	Red	21				Red	1		1	1	1			1	1	Red	1	Red	1			21	1	1	Red	1	1	21	1	21	1	1	8	8 **
6 **	6	Blue	24	M	K	2	Blue	2	1	1	1	1			1	1	Blue	1	Blue	1	1		24	1	1	Blue	2	1	24	1	24	1	1	6	6 **
3 **	4	White	29	K	K	2	Gray	2	1	1	1	1	1	1	1	1	Gray	1	Gray	1	1		29	1	1	Gray	2	1	29	1	29	1	1	4	3 **
2 **	4																Gray	1	Gray	1														4	2 **
1 **	2	Green	37	H	H	2	Green	2	1	1	1	1	1	1	1	1			Brown	1	1		37	1	1	Green	3	1	37	1	37	1	1	2	1 **
1/0 **	1	Pink	42	H	H	2	Pink	4	1	1	1	1	1	1	1	1			Green	1	1		42	1	1	Pink	4	1	42	1	42	1	1	1	1/0 **
2/0 **	1/0	Black	45	E	A	3			1	1	1	1	1	1	1	1			Pink	1	1		45	1	1			1	45	1	45	1	1	1/0	2/0 **
3/0 **	2/0	Orange	50	E	A	3			2	1	1	1	1	1	2	1			Black	1	2		50	1	1			1	50	1	50	1	2	2/0	3/0 **
4/0 **	3/0	Purple	54	A	B	3			2	1	1	1	1	1	2	1			Orange	1	2		54	1	1			1	54	1	54	1	2	3/0	4/0 **
250 **	4/0	Yellow	62	A	B	3			2	1	1	1	1	1	2	1			Purple	1	2		62	1	1			1	62	1	62	1	2	4/0	250 **
300 **	250	White	66						2	1	2	2	1	1	2	2					2		66	2	2			1	66	2	66	2	2	250	300 **
350 **	250, 262	Red	71						2	2	2	2	1	1	2	2					2		71	2	2			2	71	2	71	2	2	250, 262	350 **
400 **	300, 313	Blue	76						2	2	2	2	1	1	2	2					2		76	2	2			2	76	2	76	2	2	300, 313	400 **
500 **	350, 373	Brown	87						2	2	2	2	1	1	2	2					2		87	2	2			2	87	2	87	2	2	350, 373	500 **
600	400, 444	Green	94						2	2	2	2	1	1	2	2					2		94	2	2			2	94	2	94	2	2	400, 444	600
650	500, 535	Pink	99						2	2	2	2	1	1	2	2					2		99	2	2			2	99	2	99	2	2	500, 535	650
700	500, 535	Pink	99						3	2	3	3	1	1	3	3					3		99	3	3			2	99	3	99	3	3	500, 535	700
750	600, 646	Black	106						3	2	3	3	1	1	3	3					3		106	3	3			2	106	3	106	3	3	600, 646	750
1000	750, 777	White	125								3	3	1	1	3	3							125	3	3				125	3	125	3	3	750, 777	1000

** See note f below

Approved Wire Classes

	B		C		G		H		I		K		M		DLO	
							MOTOR LEAD				WELDING		WELDING		LOCOMOTIVE	
Lug Size	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR	AWG	STR
8	8	7	8	19	8	49	8	133	8	41	8	168	8	420	8	37
6	6	7	6	19	6	49	6	133	6	63	6	266			6	61
4	4	7	4	19												
3	3	7	3	19	4	49	4	133	4	105	4	420	4	1064	4	105
2	2	7	2	19	4	49	4	133	4	105	4	420	4	1064	4	105
1	1	19	1	37	2	49	2	133	2	161	2	665	2	1666	2	150
1/0	1/0	19	1/0	37	1	133	1	259	1	210	1	836	1	2107	1	225
2/0	2/0	19	2/0	37	1/0	133	1/0	259	1/0	266	1/0	1064	1/0	2646	1/0	275
3/0	3/0	19	3/0	37	2/0	133	2/0	259	2/0	342	2/0	1323	2/0	3325	2/0	325
4/0	4/0	19	4/0	37	3/0	133	3/0	259	3/0	418	3/0	1666	3/0	4256	3/0	450
250	250	37	250	61	4/0	133	4/0	259	4/0	532	4/0	2107	4/0	5320	4/0	532
300	300	37	300	61	250	259	250	427								
350	350	37	350	61					250	637	250	2499	250	6384	262.6	650
400	400	37	400	61	300	259	300	427	300	735	300	2989	300	7581	313.3	775
500	500	37	500	61	350	259	350	427	350	882	350	3458	350	8806	373.7	925
600	600	61	600	91	400	259	400	427	400	980	400	3990	400	10101	444	1150
650	600	61	600	91	500	259	500	427	500	1225	500	5054	500	12691	535.3	1325
700	700	61	700	91	500	259	500	427	500	1225	500	5054	500	12691	535.3	1325
750	750	61	750	91	600	427	600	703	600	1470			600	14945	646	1591
1000	1000	61	1000	91	750	427	750	703	750	1862					777	1924

UL Listed and CSA Certified when installed with tools and dies shown above

a) Number of crimps shown on chart must be on each end of the CT splicer connectors.
b) The CT connectors are marked with color, the die numbers and required number of crimps for ILSCO hydraulic tools. When using other listed tools, consult chart for crimps required. Crimps should be evenly spaced on connector.
c) The ILSCO 94285, MT-25 and all dieless tools are not color coded or do not contain the die index.
d) Consult manufacturers data for catalog numbers of dies for each tool.
e) Strip Length = Barrel Length + 1/16 Inch
f) UL Complimentary Listed under category KDER and CSA Certified for Grounding & Bonding Applications
g) For long barrel (CTL) connectors add one additional crimp to each side of barrel.

Information Sheet
Series CS, CL Compression Connectors
for Class B/C Copper Wire Only (CU9)

RoHS Compliant

UL LISTED 453G

SA LR-29601

Lug Size	Standard Wire Range (AWG)	Expanded Wire Range (AWG)	ILSCO		KST		Burndy						T&B				Panduit	
			ILST-22K with die "D1322"		KST2000D-1322		Y8MRB-1		MRE1022B*		MR 20		ERG2002, ERG4002		BAT22-6 with die "2002"		CT-1570	
			Die Nest	Crimps	Die Nest	Crimps	Die Nest	Crimps	Die Nest	Crimps	Die Nest	Crimps	Die Nest	Crimps	Die Nest	Crimps	Die Nest	Crimps
10	10 Sol/Str	10-14 Str 10-14 Sol	12-10	1	12-10	1	10	1	12-10	1	12-10	1	C	1	C	1	12-10	1

* Expanded Wire Range using Burndy MRE1022B is 10-12 Sol/Str

Additional Information

1. UL Listed to Category ZMVV and complimentary listed to category KDER when installed with the above listed tools
2. Recommended Strip Length = Barrel Length + 1/16 inch

J

Specialty

C

450

M

451

M

451

D167

452

N-174

453

CAN

453

NB

454

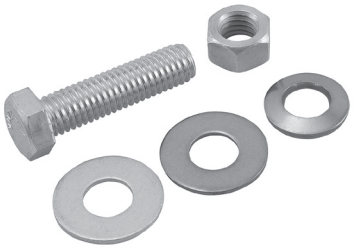
DE-OX

455

DUCT SEAL

456

NBW

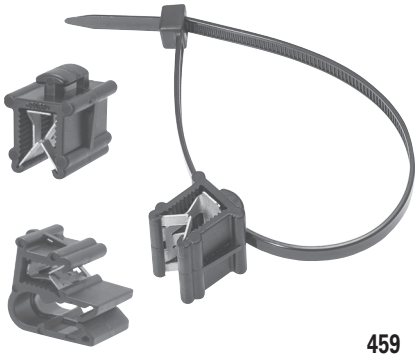


457

SSWC

458

NWC

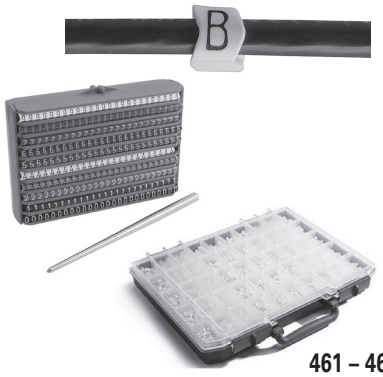


459

WM-B

460

WM



461 – 463

Surge Protective Device
Series RE - Residential

464

Surge Protective Device
Series SE - Service Entrance

465 – 466

Surge Protective Device
Series XE - Commercial & Industrial

467 – 468

Fuse Clips

RoHS Compliant

TYPE C

Features
- Manufactured from special bronze alloy except 100 and 200 amp styles. Arched bottoms
- All formed corners are designed with a radius

Benefits
- Spring type material ensures positive contact. Provide firm and secure mounting, and prevents expansion after fuse is inserted.
- Prevents fracturing

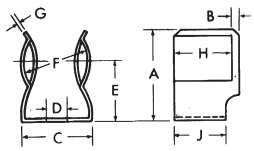


Fig. 1

Fig. 2

Fig. 3

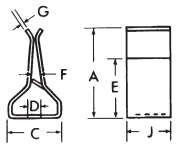


Fig. 4

Fig. 5

Fig. 6

Fig. 7

Catalog Number	Figure Number	Amps - Volts	Dimensions									
			A	B	C	Bolt Size	D	E	F	G	H	J
C-10	1	30-250	7/8	3/64	19/32	#10	13/64	17/32	9/16	1/32	19/32	1/2
C-11	2	60-250	1-1/8	1/16	51/64	#10	15/64	51/64	13/16	3/64	21/32	5/8
C-13	3	60-600	1-9/32	1/16	1-1/8	1/4	17/64	13/16	1-1/16	3/64	21/32	5/8
C-15	4	60-250	1-1/32	-	51/64	#10	13/64	5/8	13/16	3/64	-	5/8
C-16	5	100-250	1-43/64	-	29/32	1/4	17/64	1-11/64	1/8	5/64	-	7/8
C-24	6	200-250/600	1-15/16	-	1-1/4	5/16	11/32	1-1/8	3/16	3/32	-	1-1/4
C-28	7	50-250	61/64	-	1/2	#8	3/16	23/32	7/64	3/64	-	1/2

** Stud hole center 9/32 from one side and 7/32 from other side.
* Slotted 13/64 x 13/32.

K

Wire Reinforced Fuse Clips

RoHS Compliant

TYPE
M

Features
- Manufactured from copper alloy
- Supplied with permanently installed steel spring
- Spring is heat treated and plated

Benefits
- Ensures high conductivity
- Ensures tighter grip and positive contact with either knife or ferrule type fuses.
- Prevents hydrogen embrittlement

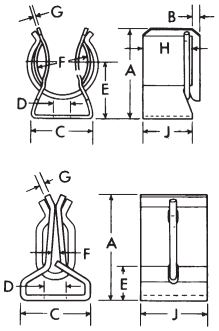


Fig. 1

Fig. 2

Catalog Number	Figure Number	Amps - Volts	Dimensions									
			A	B	C	Bolt Size	D	E	F	G	H	J
M-161	1	30-250	27/32	1/16	19/32	#10	13/64	17/32	9/16	1/32	17/32	1/2
M-162	1	30-600	1-1/32	1/16	3/4	1/4	1/4	21/32	13/16	1/32	17/32	1/2
M-163	1	60-250	1-13/64	1/16	51/64	#10	7/32	51/64	13/16	3/64	21/32	21/32
M-164	1	60-600	1-3/8	1/16	31/32	#8	3/16	29/32	1-1/16	3/64	21/32	5/8
M-165	2	100-250/600	1-23/64	-	29/32	1/4	17/64-Slot	-	1/8	5/64	-	7/8

K

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In Canada: 615 B Orwell Street, Mississauga, Ontario, Canada L5A 2W4 | PH: 905.274.2341 | FAX: 905.279.2682

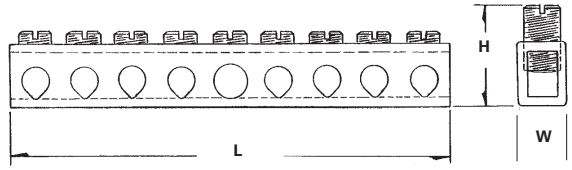
Copper Neutral Bars

RoHS Compliant

TYPE
D167

Features
- Manufactured from high strength copper tubing
- Range taking
- UL Recognized for 600 volts

Benefits
- Provides maximum conductivity
- A wide range of conductor sizes can be used in the same connector
- Ensures reliability for copper conductor



Catalog Number	Number of Taps	Wire Range		Dimensions					Mounting Hole Positions	
		Main	Tap	L	Height With Maximum Wire	W	Bolt Size	Two Mounting Holes	From End of Bar to First Mounting Hole	Distance Between Holes
D167-4	4	4-14	6-14	2-3/4	3/4	11/32	#10	13/64	.581 (2nd hole)	1.98
D167-6	6	4-14	6-14	3-1/2	3/4	11/32	#10	13/64	.978 (3rd hole)	1.98
D167-8	8	4-14	6-14	4-7/16	3/4	11/32	#10	13/64	1.375 (4th hole)	1.98
D167-10	10	4-14	6-14	5-1/8	3/4	11/32	#10	13/64	1.772 (5th hole)	1.98
D167-12	12	4-14	6-14	5-15/16	3/4	11/32	#10	13/64	2.169 (6th hole)	1.98
D167-14	14	4-14	6-14	6-23/32	3/4	11/32	#10	13/64	2.566 (7th hole)	1.98

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B and UL 467, UL File E6207

K

Copper Neutral Bars

TYPE
CAN

Features
- Manufactured from high strength copper tubing
- Compact design
- Range taking
- Circuit bars inserted at a 20 angle
- Copper conductor only

Benefits
- Provides maximum conductivity
- Up to 42 circuit taps can be made in just 5 1/2" of space
- A wide range of conductor sizes can be used in the same connector
- Provides easy wire insertion

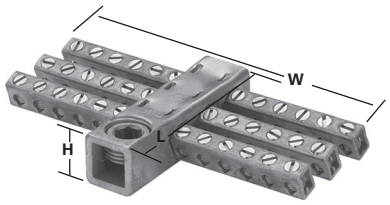


Fig. 1

Fig. 2

Fig. 3

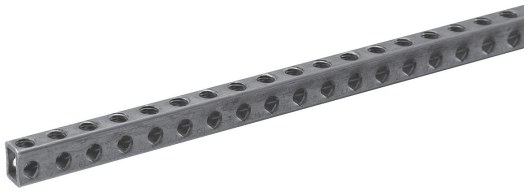


Fig. 4

Catalog Number	Figure Number	Number of Taps	Wire Range		Dimensions			
			Main	Tap	L	Height With Maximum Wire	W	Two Tapped Mounting Holes
CAN-300	1	24	250kcmil-6	6-14	2-5/16	1-5/16	5-1/8	10-32
CAN-301	1	30	250kcmil-6	6-14	3	1-5/16	4-13/32	10-32
CAN-302	1	36	250kcmil-6	6-14	3	1-5/16	5-1/8	10-32
CAN-303	1	42	250kcmil-6	6-14	3	1-7/16	5-1/2	10-32
R-16	2	Mounting block of general purpose (phenolic black) suitable for mounting any of CAN Neutrals. 2-1/2" wide x 2-1/2" long x 1" thick.						
E-223	3	10-32 x 1/2" round head steel machine screws for fastening neutrals to mounting blocks. (Use lock washer to provide rigid assembly.)						
E-153	3	1/4-28 wire pressure screw 7/16" long. Screw is steel, zinc plated and chromate dipped.						
N-174‡	4	Supplied in 5' 9" lengths. Approximately 174 outlets. Wire range 14-6.						

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
Tested to UL 486A/B, UL File E6207
‡ Tested to UL 486A/B and UL 467, UL File E6207

K

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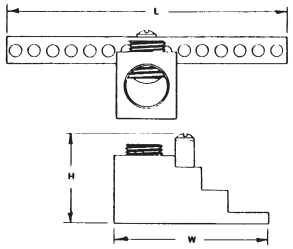
Aluminum Neutral Bars
Dual Rated

RoHS Compliant

TYPE
NB

Features
- Preassembled, stacked neutral bars
- Available with phenolic base
- Electro-tin plated
- Fabricated from high strength 6061-T6 aluminum alloy

Benefits
- Compact, space saving design offers multiple range taking flexibility and is suitable for grounding applications
- Provides insulation from mounting surface
- Provides low contact resistance
- Suitable for use with either copper or aluminum conductors



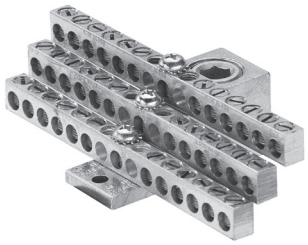


Fig. 1

Fig. 2

Catalog Number	Figure Number	Number of Circuit Taps	Wire Range		Dimensions			Two Tapped Mounting Holes	Hex Size	
			Circuit Taps	Line Loads	Approx. Height With Max. Wire	L	W		Main	Tap
NB-350-12	1	12	14-4	350kcmil-6	1-17/32	4-23/32	2-17/32	10-32	3/8	Slot
NB-350-12-W/R16*	2	12	14-4	350kcmil-6	2-17/32	4-23/32	2-17/32	10-32	3/8	Slot
NB-350-24	1	24	14-4	350kcmil-6	1-17/32	4-23/32	2-17/32	10-32	3/8	Slot
NB-350-24-W/R16*	2	24	14-4	350kcmil-6	2-17/32	4-23/32	2-17/32	10-32	3/8	Slot
NB-350-30	1	30	14-4	350kcmil-6	1-17/32	4-3/32	2-17/32	10-32	3/8	Slot
NB-350-30-W/R16*	2	30	14-4	350kcmil-6	2-17/32	4-3/32	2-17/32	10-32	3/8	Slot
NB-350-36	1	36	14-4	350kcmil-6	1-17/32	4-23/32	2-17/32	10-32	3/8	Slot
NB-350-36-W/R16*	2	36	14-4	350kcmil-6	2-17/32	4-23/32	2-17/32	10-32	3/8	Slot
NB-350-42	1	42	14-4	350kcmil-6	1-17/32	5-11/32	2-17/32	10-32	3/8	Slot
NB-350-42-W/R16*	2	42	14-4	350kcmil-6	2-17/32	5-11/32	2-17/32	10-32	3/8	Slot

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* Part includes phenolic mounting block R-16
Tested to UL 486A/B, UL File E6207

K

Oxide Inhibitor

RoHS Compliant

UL LISTED 35CD

TYPE
DE-OX®

ILSCO Oxide inhibitor is available in three different formulas: NON-GRIT, ZINC, COPPER. Oxide Inhibitor is applied to the connector prior to inserting the wire conductor, providing an air-tight seal around the conductor, preventing oxides from forming. All three formulas are available in a variety of package sizes.

- NON-GRIT - ILSCO DE-OX series is suitable for aluminum or copper terminations.
- ZINC - ILSCO DE-OX-Z series contains flecks of zinc providing improved pull-out strength and reduced operating temperatures for aluminum or copper terminations.
- COPPER - ILSCO DE-OX-C series contains flecks of copper providing improved pull-out strength and reduced operating temperatures for copper terminations.

NON-GRIT Catalog Number	Container Size & Type	Packaging
DE-OX -5CC	5cc Packet	Display Carton of 150
DE-OX-5CC-B4	5cc Packet	4 Per Bag, 25 Bags Per Carton
DE-OX-1OZ	1 oz. Tube	Display Carton of 50
DE-OX-4OZ	4 oz. Bottle	Display Carton of 12
DE-OX-8OZ	8 oz. Bottle	Display Carton of 12
DE-OX-1GAL	1 Gallon Can	1 Can
DE-OX-5GAL	5 Gallon Bucket	1 Bucket
UDE-OX-V-4OZ*+	4 oz. Bottle	Display Carton of 12
UDE-OX-V-8OZ*+	8 oz. Bottle	Display Carton of 12
ZINC Catalog Number	**Container Size & Type**	**Packaging**
DE-OX-Z-5CC	5cc Packet	Display Carton of 150
DE-OX-Z-1OZ	1 oz. Tube	Display Carton of 50
DE-OX-Z-4OZ	4 oz. Bottle	Display Carton of 12
DE-OX-Z-8OZ	8 oz. Bottle	Display Carton of 12
DE-OX-Z-1GAL	1 Gallon Can	1 Can
DE-OX-Z-5GAL	5 Gallon Bucket	1 Bucket
COPPER Catalog Number	**Container Size & Type**	**Packaging**
DE-OX-C-5CC	5cc Packet	Display Carton of 150
DE-OX-C-1OZ	1 oz. Tube	Display Carton of 50
DE-OX-C-4OZ	4 oz. Bottle	Display Carton of 12
DE-OX-C-8OZ	8 oz. Bottle	Display Carton of 12
DE-OX-C-1GAL	1 Gallon Can	1 Can
DE-OX-C-5GAL	5 Gallon Bucket	1 Bucket

K

* V denotes synthetic base, chalk color, doesn't stain blankets, etc.
+ Not UL Listed
UL File E312012

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Duct Seal

RoHS Compliant

TYPE
DS

Features
- Available in 1 LB and 5 LB packages
- Remains pliable
- Non-corrosive
- Can be painted immediately

Benefits
- Provides convenience of selecting the right size for the job
- Will not dry out, crack and fall out of installation
- Will not irritate skin, or corrode metals, or have
- harmful effects on plastics
- No need to wait for product to dry

Catalog Number	Package Quantity
DS-1	1 1 lb. bags
DS-5	1 5 lb. bags

K

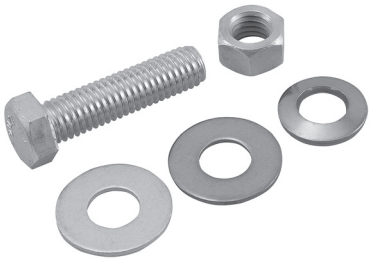
Mounting Hardware

RoHS Compliant

TYPE
NBW

Features
- Individually packaged
- Aluminum nut and bolt
- Belleville washer

Benefits
- All components for mounting one connector are kept together to avoid mismatched hardware
- Provides consistent and even thermal expansion and contraction to prevent loosening of mounting hardware due to heat cycling
- Maintains tension on connection through thermal expansion and contraction



Catalog Number	Bolt Size	Bolt Length	Included in Kit
NBW-38-125	3/8-16	1-1/4	Aluminum Nut, Stainless Steel Belleville Washer, Aluminum Flat Washer, Stainless Steel Flat Washer, Aluminum Bolt
NBW-50-150	1/2-13	1-1/2	Aluminum Nut, Stainless Steel Belleville Washer, Aluminum Flat Washer, Stainless Steel Flat Washer, Aluminum Bolt
NBW-50-200	1/2-13	2	Aluminum Nut, Stainless Steel Belleville Washer, Aluminum Flat Washer, Stainless Steel Flat Washer, Aluminum Bolt
NBW-50-250	1/2-13	2-1/2	Aluminum Nut, Stainless Steel Belleville Washer, Aluminum Flat Washer, Stainless Steel Flat Washer, Aluminum Bolt
NBW-58-250	5/8-11	2-1/2	Aluminum Nut, Stainless Steel Belleville Washer, Aluminum Flat Washer, Stainless Steel Flat Washer, Aluminum Bolt
NBW-58-300	5/8-11	3	Aluminum Nut, Stainless Steel Belleville Washer, Aluminum Flat Washer, Stainless Steel Flat Washer, Aluminum Bolt

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Wire Management Clips
Stainless Steel

TYPE
SSWC

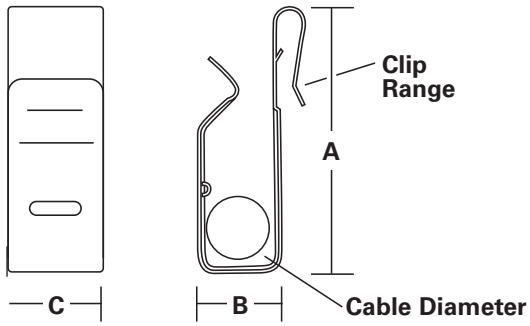
Features
- Stainless steel
- Rounded edges
- Angled grip tabs

Benefits
- Corrosion resistant
- Prevents damage to cable
- Easy to slide on, teeth hold securely

Application:
Wire management clips are designed to clip onto a thin metal edge to provide a means to hold cables or wires in place. The clips have directional angled teeth built-in that spread apart as the clip is pushed onto the metal edge, and bites into the metal surface, creating a tight, secure grip on to the metal edge. The clip has a built in hook where the cable or wire is placed and held securely. These clips have become a common accessory for solar panel projects where they are used to hold up the ground and power wires that are daisy chained from panel to panel.

Material: 410 stainless steel

Dimensions:



Catalog Number	Range of Metal Thickness for the Clip Teeth	Maximum Cable Diameter	Dimensions		
			A	B	C
I-1306	.03 - .125	.200	.730	.200	.380
I-1307	.03 - .125	.280	.730	.280	.380
I-1414	.093 - .156	.400	1.490	.400	.380
I-2452A	.187 - .250	.400	1.550	.400	.380

K

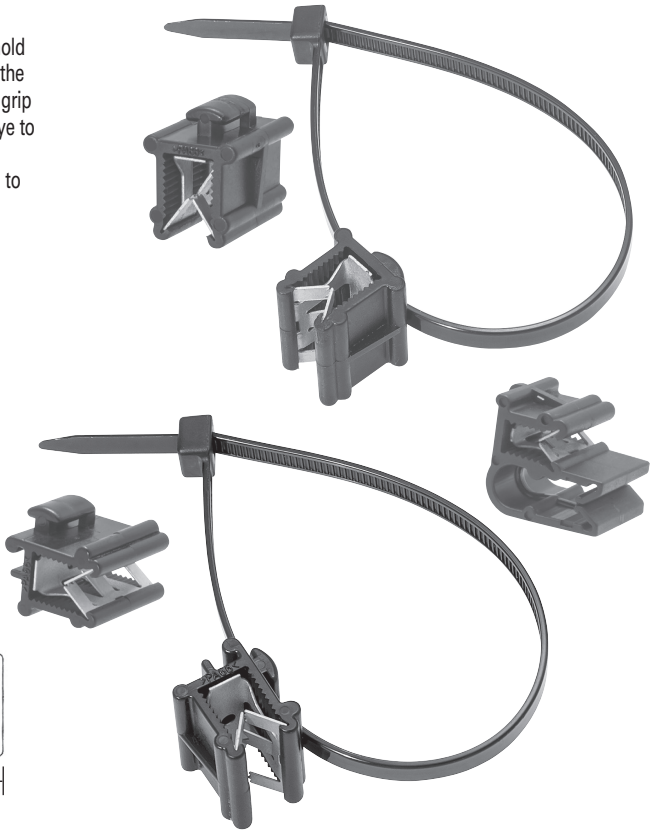
Wire Management Clips
Nylon

TYPE
NWC

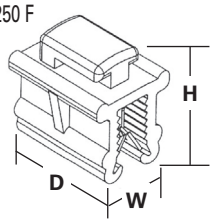
Features
- Nylon
- Molded in grip tabs
- Molded in eye slots

Benefits
- Corrosion and UV resistant
- Securely attaches to metal edge
- For attaching cable ties

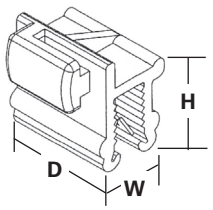
Application:
Wire management clips are designed to clip onto a thin metal edge to provide a means to hold cables or wires in place. The clips have directional angled teeth built-in that spread apart as the clip is pushed onto the metal edge, and bites into the metal surface, creating a tight, secure grip on to the metal edge. The metal teeth are molded into a nylon housing that has a molded eye to accept a cable tie. The cable tie is then used to wrap around and secure the cables or wires. These clips have become a common accessory for solar panel projects where they are used to hold up the ground and power wires that are daisy chained from panel to panel.



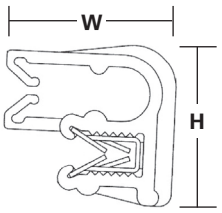
Material: Nylon 6/6
Temperature range: -40 to 250 F
Holding strength: 45 lbs.
Cable tie length: 8"
Dimensions:



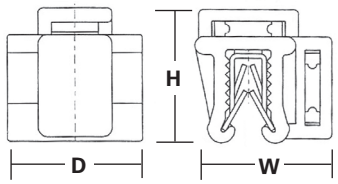
Top Eye Type
(90˚ shown)



Side Eye Type
(90˚ shown)



SEC-2W



SC15

Catalog Number	Range of Metal Thickness for the Clip Teeth	Cable Tie Included	Cable Tie Slot Orientation	Dimensions		
				H	W	D
SEC-2W	.03 - .125	-	-	.760	.820	.610
SC1-CTUV50	.03 - .125	Yes	Top 90˚	.615	.468	.587
SC1	.03 - .125	No	Top 90˚	.615	.468	.587
SC2-CTUV50	.03 - .125	Yes	Side 90˚	.610	.542	.587
SC2	.03 - .125	No	Side 90˚	.610	.542	.587
SC3-CTUV50	.03 - .125	Yes	Top in-line	.615	.468	.587
SC3	.03 - .125	No	Top in-line	.615	.468	.587
SC4-CTUV50	.125 - .250	Yes	Top in-line	.740	.590	.781
SC4	.125 - .250	No	Top in-line	.740	.590	.781
SC5-CTUV50	.03 - .125	Yes	Side in-line	.610	.542	.587
SC5	.03 - .125	No	Side in-line	.610	.542	.587
SC6-CTUV50	.03 - .125	Yes	Top 90˚	.740	.590	.781
SC6	.03 - .125	No	Top 90˚	.740	.590	.781
SC7-CTUV50	.125 - .250	Yes	Side 90˚	.748	.670	.781
SC7	.125 - .250	No	Side 90˚	.748	.670	.781
SC8-CTUV50	.125 - .250	Yes	Side in-line	.748	.670	.781
SC8	.125 - .250	No	Side in-line	.748	.670	.781
SC15	.03 - .125	No	Top & Side in-line	.585	.605	.595

K

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Wire Markers Books

TYPE
WM-B

Features
- White vinyl cloth material, permanent black marker text
- Rubber based adhesive backing
- Stitched cover
- Self-laminating unmarked vinyl material –
- WM-B-30-B and WM-B-60-B
- Clear over laminate vinyl material –
- WM-B-30-B and WM-B-60-B
- Rated to -50˚ to 250˚ F operating temperature

Benefits
- Industry proven, easily readable
- Long lasting grip on wire
- Durable binding of book
- Write on marker tab accepts pen, pencil, ink marker or stamp
- Permanent protection of user applied markings
- Usable at temperature extremes

Catalog Number	Material	Marker Text	Dimensions – in. (mm)		Markers per Book
			Length – in. (mm)	Width – in. (mm)	
WM-B-10-045	Vinyl Cloth	0-45	1.375 (34.9)	0.213 (5.4)	480
WM-B-10-4690	Vinyl Cloth	46-90	1.375 (34.9)	0.213 (5.4)	480
WM-B-10-AZ	Vinyl Cloth	A-Z, 0-15, +, -, /	1.375 (34.9)	0.213 (5.4)	480
WM-B-15-130	Vinyl Cloth	1-30	1.375 (34.9)	0.213 (5.4)	480
WM-B-15-AZ	Vinyl Cloth	A-Z	1.375 (34.9)	0.213 (5.4)	480
WM-B-40-09	Vinyl Cloth	0-9, L1-L3, T1-T3	1.375 (34.9)	0.213 (5.4)	480
WM-B-45-09	Vinyl Cloth	0-9	1.375 (34.9)	0.213 (5.4)	480
WM-B-150-ABC	Vinyl Cloth	A, B, C	1.375 (34.9)	0.213 (5.4)	480
WM-B-30-B	Self Laminating Vinyl	Write On	6.000 (152.4)	1.000 (25.4)	30
WM-B-60-B	Self Laminating Vinyl	Write On	3.000 (76.2)	1.000 (25.4)	60

K

Wire Markers
Slide/Snap-On

TYPE
WM

Features
- Slide-on option
- Snap-on option
- Supplied in (10) strands per re-sealable bag, each strand contains (25) of the same character
- Angular cut ends
- Temperature range -22˚ to +140˚ F

Benefits
- Permanently secured marking, applied before
- end termination
- Convenient placement of marking before or after termination
- Offers millions of character combinations per bag
- Nesting multiple characters on same conductor
- Installable at extreme temperature conditions

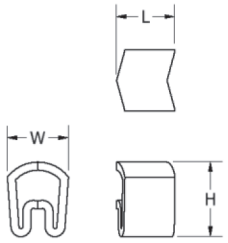


Fig. 1

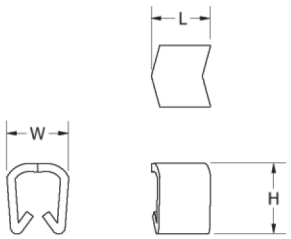
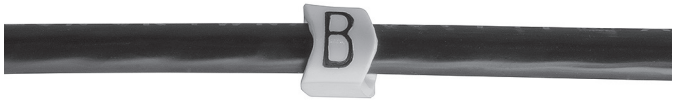


Fig. 2



Catalog Number	Figure Number	Color	Attachment Style	Marker Text	Wire Range	Wire Dia. – in. (mm)	Material	Dimensions – in. (mm)		
								H	W	D
WM-023-N-09	1	NEMA*	Slide-On	0-9	16-22 AWG	.051-.118 (1.3-3.0)	Soft PVC	0.118 (3.0)	0.142 (3.6)	0.138 (3.5)
WM-023-W-09	1	White	Slide-On	0-9	16-22 AWG	.051-.118 (1.3-3.0)	Soft PVC	0.118 (3.0)	0.142 (3.6)	0.138 (3.5)
WM-023-W-AJ	1	White	Slide-On	A-J	16-22 AWG	.051-.118 (1.3-3.0)	Soft PVC	0.118 (3.0)	0.142 (3.6)	0.138 (3.5)
WM-023-W-KT	1	White	Slide-On	K-T	16-22 AWG	.051-.118 (1.3-3.0)	Soft PVC	0.118 (3.0)	0.142 (3.6)	0.138 (3.5)
WM-023-W-UZ	1	White	Slide-On	U-Z, +,-, / , ⏚	16-22 AWG	.051-.118 (1.3-3.0)	Soft PVC	0.118 (3.0)	0.142 (3.6)	0.138 (3.5)
WM-13-N-09	1	NEMA*	Slide-On	0-9	10-16 AWG	.099-.197 (2.5-5.0)	Soft PVC	0.118 (3.0)	0.217 (5.5)	0.165 (4.2)
WM-13-W-09	1	White	Slide-On	0-9	10-16 AWG	.099-.197 (2.5-5.0)	Soft PVC	0.118 (3.0)	0.217 (5.5)	0.165 (4.2)
WM-13-W-AJ	1	White	Slide-On	A-J	10-16 AWG	.099-.197 (2.5-5.0)	Soft PVC	0.118 (3.0)	0.217 (5.5)	0.165 (4.2)
WM-13-W-KT	1	White	Slide-On	K-T	10-16 AWG	.099-.197 (2.5-5.0)	Soft PVC	0.118 (3.0)	0.217 (5.5)	0.165 (4.2)
WM-13-W-UZ	1	White	Slide-On	U-Z, +,-, / , ⏚	10-16 AWG	.099-.197 (2.5-5.0)	Soft PVC	0.118 (3.0)	0.217 (5.5)	0.165 (4.2)
WM-103-N-09	2	NEMA*	Snap-On	0-9	16-22 AWG	.094-.118 (2.4-3.0)	Rigid PVC	0.118 (3.0)	0.142 (3.6)	0.146 (3.7)
WM-103-W-09	2	White	Snap-On	0-9	16-22 AWG	.094-.118 (2.4-3.0)	Rigid PVC	0.118 (3.0)	0.142 (3.6)	0.146 (3.7)
WM-103-W-AJ	2	White	Snap-On	A-J	16-22 AWG	.094-.118 (2.4-3.0)	Rigid PVC	0.118 (3.0)	0.142 (3.6)	0.146 (3.7)
WM-103-W-KT	2	White	Snap-On	K-T	16-22 AWG	.094-.118 (2.4-3.0)	Rigid PVC	0.118 (3.0)	0.142 (3.6)	0.146 (3.7)
WM-103-W-UZ	2	White	Snap-On	U-Z, +,-, / , ⏚	16-22 AWG	.094-.118 (2.4-3.0)	Rigid PVC	0.118 (3.0)	0.142 (3.6)	0.146 (3.7)
M-203-N-09	2	NEMA*	Snap-On	0-9	12-14 AWG	.118-.157 (3.0-4.0)	Rigid PVC	0.118 (3.0)	0.165 (4.2)	0.177 (4.5)
WM-203-W-09	2	White	Snap-On	0-9	12-14 AWG	.118-.157 (3.0-4.0)	Rigid PVC	0.118 (3.0)	0.165 (4.2)	0.177 (4.5)
WM-203-W-AJ	2	White	Snap-On	A-J	12-14 AWG	.118-.157 (3.0-4.0)	Rigid PVC	0.118 (3.0)	0.165 (4.2)	0.177 (4.5)
WM-203-W-KT	2	White	Snap-On	K-T	12-14 AWG	.118-.157 (3.0-4.0)	Rigid PVC	0.118 (3.0)	0.165 (4.2)	0.177 (4.5)
WM-203-W-UZ	2	White	Snap-On	U-Z, +,-, / , ⏚	12-14 AWG	.118-.157 (3.0-4.0)	Rigid PVC	0.118 (3.0)	0.165 (4.2)	0.177 (4.5)

K UL94-V0 Flammability rating

INSTALLATION TOOL FOR SLIDE ON WIRE MARKERS SOLD SEPARATELY

* NEMA Colors:

0 - Black with white character
1 - Brown with white character
2 - Red with white character
3 - Orange with black character
4 - Yellow with black character
5 - Green with white character
6 - Blue with white character
7 - Purple with white character
8 - Grey with black character
9 - White with black character

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Wire Markers Cassette

TYPE
WM

Features
- Compact size; 3.500" W x 2.700" D x .850" H
- Contains 500 slide-on style markers, refillable
- Double-sided entry
- Supplied with stainless steel installation tool inside the cassette
- Stainless steel installation tool features wire receiver hole
- Marker and cassette temperature r ating -22˚ to 140˚ F
- Each slot holds one strand of (25) slide on wire markers

Benefits
- Easy to carry, readily available
- Reusable and customizable to user needs
- Conveniently dispense parts on either side of cassette
- Guides markers onto un-terminated end of wire
- • Aligns wire for easy marker installation
- Holds up in extreme temperature conditions
- Provides quick visual identification and marker organization

Catalog Number	Cassette Color	Groove per Side	Includes Tool	Wire Range	Wire Diameter – in (mm)	Marker color	Markers per Book
Wire Marker Accessories							
WM-CA02-N-09	Red	12	WM-T02-M	16-22 AWG	.051-.118 (1.3-3.0)	NEMA*	0-9
WM-CA02-W-09	Red	12	WM-T02-M	16-22 AWG	.051-.118 (1.3-3.0)	White	0-9
WM-CA02-W-AJ	Red	12	WM-T02-M	16-22 AWG	.051-.118 (1.3-3.0)	White	A-J
WM-CA02-W-KT	Red	12	WM-T02-M	16-22 AWG	.051-.118 (1.3-3.0)	White	K-T
WM-CA02-W-UZ	Red	12	WM-T02-M	16-22 AWG	.051-.118 (1.3-3.0)	White	U-Z
WM-CA10-N-09	Blue	10	WM-T10-M	10-16 AWG	.099-.197 (2.5-5.0)	NEMA*	0-9
WM-CA10-W-09	Blue	10	WM-T10-M	10-16 AWG	.099-.197 (2.5-5.0)	White	0-9
WM-CA10-W-AJ	Blue	10	WM-T10-M	10-16 AWG	.099-.197 (2.5-5.0)	White	A-J
WM-CA10-W-KT	Blue	10	WM-T10-M	10-16 AWG	.099-.197 (2.5-5.0)	White	K-T
WM-CA10-W-UZ	Blue	10	WM-T10-M	10-16 AWG	.099-.197 (2.5-5.0)	White	U-Z

WM - Wire Marker Installation Tool

Catalog Number	Fits	Tool Dimensions – in. (mm)	
		L	W
WM-T02-M	WM-023 Markers	3.937 (100.0)	0.122 (3.1)
WM-T10-M	WM-13 Markers	3.937 (100.0)	0.197 (5.0)

K

* NEMA Colors:

0 - Black with white character
1 - Brown with white character
2 - Red with white character
3 - Orange with black character
4 - Yellow with black character
5 - Green with white character
6 - Blue with white character
7 - Purple with white character
8 - Grey with black character
9 - White with black character

Wire Markers Kit

TYPE
WM

Features
- 50 compartments
- Double latch and carry handle
- 10,000 total markers per case
- Contains 2 stainless steel installation tools
- Carrying case temperature rating -22˚ to +140˚ F

Benefits
- Marker organization for quick identification and use
- Secured cover, easy to carry
- Offers millions of character combinations, upports large scale marking activity
- Spare tool
- Holds up in extreme temperature conditions

Catalog Number	Color	Wire Range	Wire Dia. – in. (mm)	Marker Color	Application Tool	Dimensions – in. (mm)		
						H	W	D
WM-B02-W	White	16-22 AWG	.051-.118 (1.3-3.0)	White	WM-T02-M	16.150 (410.2)	12.600 (320.0)	2.000 (50.8)
WM-B02-NW	NEMA	16-22 AWG	.051-.118 (1.3-3.0)	NEMA*	WM-T02-M	16.150 (410.2)	12.600 (320.0)	2.000 (50.8)
WM-B10-W	White	10-16 AWG	.099-.197 (2.5-5.0)	White	WM-T10-M	16.150 (410.2)	12.600 (320.0)	2.000 (50.8)
WM-B10-NW	NEMA	10-16 AWG	.099-.197 (2.5-5.0)	NEMA*	WM-T10-M	16.150 (410.2)	12.600 (320.0)	2.000 (50.8)

Kit contents include:

400 pieces of each number, 0-9
200 pieces of each letter, A-Z
200 pieces of each symbol, =, -, /, ⏚
2 Application Tools

K

* NEMA Colors:

0 - Black with white character
1 - Brown with white character
2 - Red with white character
3 - Orange with black character
4 - Yellow with black character
5 - Green with white character
6 - Blue with white character
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8 - Grey with black character
9 - White with black character

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SURGENCY
Surge Protective Device
Series RE - Residential

TYPE
SPD

Features
- Whole house surge protection
- Compact NEMA polycarbonate enclosure
- Blue indicator LED
- 50 kA surge current strength
- Optional electrical noise filter
- UL 1449 Listed with advanced safety Integrated threaded female hub
- Five year warranty
- Optional flush mount plate available for
- mounting versatility

Benefits
- Protect residence from electrical surges
- Easily installed outdoors or indoors, non-submersible
- Easy monitoring of surge protection status
- Withstands severe lightning strikes
- Protects valuable electronics & appliances
- Product longevity in the most demanding environments
- Quick installation

1/2 IN. CONDUIT FITTING

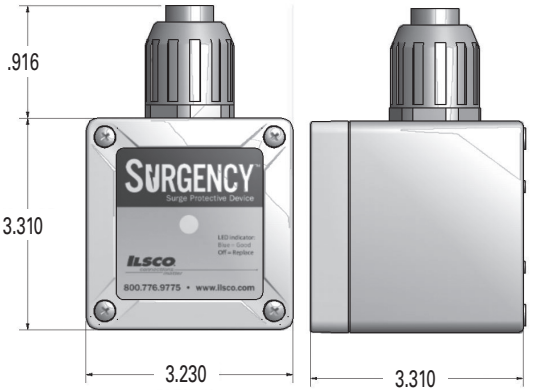

Fig. 1

3/4 IN. CONDUIT FITTING

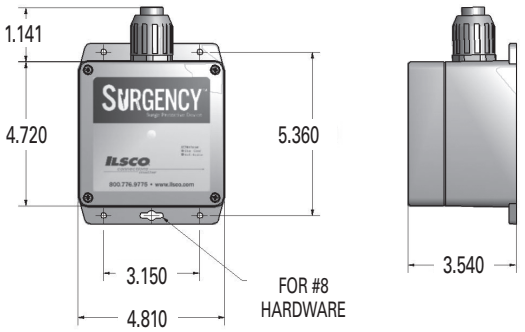

Fig. 2

Catalog Number	Figure Number	Lead Wire Size	Electrical Characteristics					Nominal Discharge Current	Short Circuit Current Rating (SCCR)	UL/ CSA Type*	UL Voltage Protection Rating				Conduit Size (in.)
			Phase	System	AC Frequency	Nominal Voltage	Noise Filter‡				L-L	L-N	L-G	N-G	
RE-050-1R1X-AΔ	1	12 AWG	1	SPLIT	50/60 Hz	120/240 V	-	20 kA	200 kA	1	1000	-	700	-	1/2
RE-050-1R1X-CΔ	1	12 AWG	1	SPLIT	50/60 Hz	120/240 V	Yes	20 kA	200 kA	2	1200	-	600	-	1/2
RE-050-1P1X-AΔ	1	12 AWG	1	SINGLE	50/60 Hz	120 V	-	20 kA	200 kA	1	-	700	700	1200	1/2
RE-050-1P1X-CΔ	1	12 AWG	1	SINGLE	50/60 Hz	120 V	Yes	20 kA	200 kA	2	-	600	1200	600	1/2
RE-050-Y3WX-A	2	10 AWG	3	WYE	50/60 Hz	208Y/120 V	-	20 kA	200 kA	1	1000	-	600	-	3/4
RE-050-Y3WX-C	2	10 AWG	3	WYE	50/60 Hz	208Y/120 V	Yes	20 kA	200 kA	2	1200	-	700	-	3/4

Tested and Certified:
Type 1 SPDs (no filter) = UL 1449 (4th Edition), CSA C22.2 No. 269.1-14
Type 2 SPDs (filter) = UL 1449, UL 1283, CSA C22.2 No. 269.2-13, CSA C22.2 No. 8-13

Operating temperature range -40 - +150˚ F

Enclosure is rated to NEMA/UL Type 1, 2, 3, 3R, 3X, 4 and 4X

‡ Advanced UL 1283 rated electrical noise filter

Δ Mounting flange kit included

* Type 1 = Permanently connected SPDs permitted to be installed between the secondary of the service transformer and the line side of the service equipment overcurrent device, as well as the load side, permitted to be installed without an external overcurrent protective device on the line side of the service entrance

Type 2 = Permanently connected SPDs intended for installation on the load side of the service equipment overcurrent device; including SPDs located at the branch panel

K

Option Code	UL/CSA Type	Indicator LED	Advanced Filtering
A	1	•	
C	2	•	•

SURGENCY

Surge Protective Device - Type 1
Series SE - Service Entrance

TYPE
SPD

Features
- Commercial & industrial up to 4-mode surge protection
- Compact NEMA polycarbonate enclosure
- Indicator LED, blue for proper operational status, red to replace, optional audible alarm and relay contacts
- Surge current strength up to 100 kA
- UL 1449 Listed with advanced safety Integrated threaded female hub
- Five year warranty
- Optional flush mount plate available for
- mounting versatility

Benefits
- First line of defense against externally generated surges
- Mounted outdoors or indoors external or internal to any electrical panel, non-submersible
- Easy monitoring of surge protection status
- Withstands severe lightning strikes, up to 100 kA surge current per mode provides extended service life
- Product longevity in the most demanding environments
- Quick installation

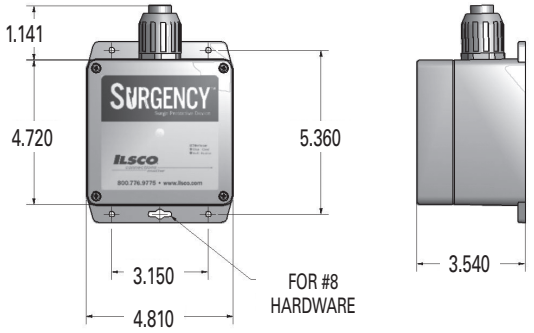

Fig. 1

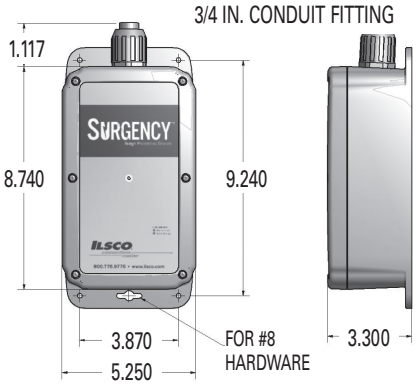

Fig. 2

Catalog Number	Figure Number	Electrical Characteristics				Nominal Voltage	Nominal Discharge Current	Short Circuit Current Rating (SCCR)	UL Voltage Protection Rating				Conduit Size (in.)
		Phase	System	Per Mode Surge Current	AC Frequency				L-L	L-N	L-G	N-G	
SE-050-1S1X-*	1	1	SPLIT	50 kA	50/60 Hz	120/240 V	20 kA	200 kA	1200	600	1200	600	3/4
SE-100-1S1X-*	2	1	SPLIT	100 kA	50/60 Hz	120/240 V	20 kA	200 kA	1000	700	1000	700	3/4
SE-050-3Y1X-*	1	3	WYE	50 kA	50/60 Hz	208Y/120 V	20 kA	200 kA	1200	600	1200	600	3/4
SE-100-3Y1X-*	2	3	WYE	100 kA	50/60 Hz	208Y/120 V	20 kA	200 kA	1000	700	1000	700	3/4
SE-050-3Y2X-*	1	3	WYE	50 kA	50/60 Hz	480Y/277 V	20 kA	200 kA	2500	1200	2500	1200	3/4
SE-100-3Y2X-*	2	3	WYE	100 kA	50/60 Hz	480Y/277 V	20 kA	200 kA	2000	1200	2000	1200	3/4
SE-050-3N4X-*	1	3	DELTA	50 kA	50/60 Hz	480 V	20 kA	200 kA	4000	-	1800	-	3/4
SE-100-3N4X-*	2	3	DELTA	100 kA	50/60 Hz	480 V	20 kA	200 kA	4000	-	1800	-	3/4

K

Tested and Certified:
Type 1 SPDs (no filter) = UL 1449 (4th Edition), CSA C22.2 No. 269.1-14

Operating temperature range -40 to +150˚ F

Enclosure is rated to NEMA/UL Type 1, 2, 3, 3R, 3X, 4 and 4X

Type 1 = Permanently connected SPDs permitted to be installed between the secondary of the service transformer and the line side of the service equipment overcurrent device, as well as the load side, permitted to be installed without an external overcurrent protective device on the line side of the service entrance

Add on option code to catalog number

Option Code	UL/CSA Type	Indicator LED	Audible Alarm	Dry Relay Contact
A	1	•		
B	1	•	•	•

*** Indicates package and option code - A, B**

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SURGENCY™
Surge Protective Device - Type 2
Series SE - Service Entrance

TYPE
SPD

Features
- Commercial & industrial up to 4-mode surge protection
- Compact NEMA polycarbonate enclosure
- Indicator LED, blue for proper operational status, red to replace, optional audible alarm and relay contacts
- Surge current strength up to 100 kA
- UL 1283 electrical noise filter
- UL 1449 Listed with advanced safety Integrated threaded female hub
- Five year warranty
- Optional flush mount plate available for
- mounting versatility

Benefits
- First line of defense against externally generated surges
- Mounted outdoors or indoors external or internal to any electrical panel, non-submersible
- Easy monitoring of surge protection status
- Withstands severe lightning strikes, up to 100 kA surge current per mode provides extended service life
- Protects critical commercial and industrial equipment
- Product longevity in the most demanding environments
- Quick installation

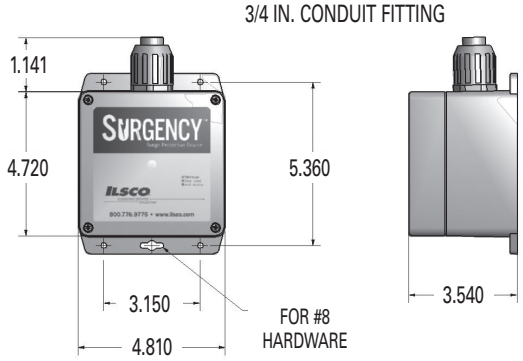


Fig. 1

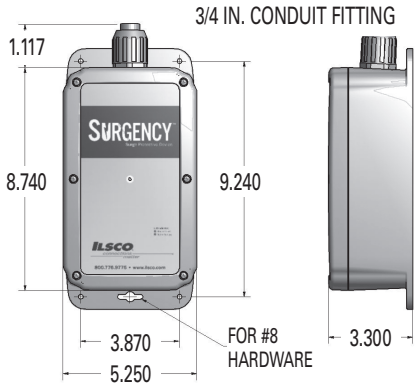


Fig. 2

Catalog Number	Figure Number	Electrical Characteristics				Nominal Voltage	Nominal Discharge Current	Short Circuit Current Rating (SCCR)	UL Voltage Protection Rating				Conduit Size (in.)
		Phase	System	Per Mode Surge Current	AC Frequency				L-L	L-N	L-G	N-G	
SE-050-1S1X-*	1	1	SPLIT	50 kA	50/60 Hz	120/240 V	20 kA	200 kA	1200	700	1200	600	3/4
SE-100-1S1X-*	2	1	SPLIT	100 kA	50/60 Hz	120/240 V	20 kA	200 kA	1200	700	1200	700	3/4
SE-050-3Y1X-*	1	3	WYE	50 kA	50/60 Hz	208Y/120 V	20 kA	200 kA	1200	700	1200	600	3/4
SE-100-3Y1X-*	2	3	WYE	100 kA	50/60 Hz	208Y/120 V	20 kA	200 kA	1200	700	1200	700	3/4
SE-050-3Y2X-*	1	3	WYE	50 kA	50/60 Hz	480Y/277 V	20 kA	200 kA	2500	1200	2500	1200	3/4
SE-100-3Y2X-*	2	3	WYE	100 kA	50/60 Hz	480Y/277 V	20 kA	200 kA	2500	1200	2500	1200	3/4
SE-050-3N4X-*	1	3	DELTA	50 kA	50/60 Hz	480 V	20 kA	200 kA	4000	-	1800	-	3/4
SE-100-3N4X-*	2	3	DELTA	100 kA	50/60 Hz	480 V	20 kA	200 kA	4000	-	1800	-	3/4

Tested and Certified:
Type 2 SPDs (filter) = UL 1449, UL 1283,
CSA C22.2 No. 269.2-13, CSA C22.2 No. 8-13

Operating temperature range -40 to +150˚ F

Enclosure is rated to NEMA/UL Type 1, 2, 3, 3R, 3X, 4 and 4X

Type 2 = Permanently connected SPDs intended for installation on the load side of the service equipment overcurrent device; including SPDs located at the branch panel

K

Add on option code to catalog number

Option Code	UL/CSA Type	Indicator LED	Audible Alarm	Dry Relay Contact	Electrical Noise Filter‡
C	2	•			•
D	2	•	•	•	•

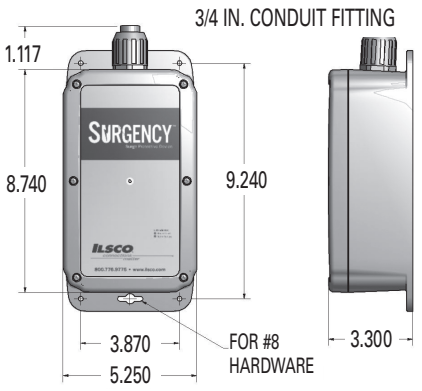
*** Indicates package and option code - C, or D**
‡ Advanced UL 1283 rated electrical noise filter

Surge Protective Device - Type 1
Series XE - Commercial & Industrial

TYPE
SPD

Features
- Commercial & industrial surge protection,
- up to 7 protection modes
- Compact NEMA polycarbonate enclosure
- One blue LED per phase reporting power to the
- phases and one red LED indicating service required or phase loss, optional audible alarm and relay contacts
- Surge current strength up to 100 kA
- UL 1449 Listed with advanced safety Integrated threaded female hub
- Ten year warranty
- Optional flush mount plate available for
- mounting versatility

Benefits
- Protects equipment downstream of electrical service entrance
- Mounted outdoors or indoors external or internal to any electrical panel, non-submersible
- Easy monitoring of surge protection status
- Withstands severe lightning strikes, up to 100 kA surge current per mode provides extended service life
- Product longevity in the most demanding environments
- Quick installation



Catalog Number	Electrical Characteristics					Nominal Discharge Current	Short Circuit Current Rating (SCCR)	UL Voltage Protection Rating (VPR)				Conduit Size (in.)
	Phase	System	Per Mode Surge Current	AC Frequency	Nominal Voltage			L-L	L-N	L-G	N-G	
XE-050-1P1X-*	1	SINGLE	50 kA	50/60 Hz	100~140 V	20 kA	200 kA	-	700	700	700	3/4
XE-100-1P1X-*	1	SINGLE	100 kA	50/60 Hz	100~140 V	20 kA	200 kA	-	700	700	700	3/4
XE-050-1P2X-*	1	SINGLE	50 kA	50/60 Hz	220~280 V	20 kA	200 kA	-	1200	1200	1200	3/4
XE-100-1P2X-*	1	SINGLE	100 kA	50/60 Hz	220~280 V	20 kA	200 kA	-	1200	1200	1200	3/4
XE-050-1S1X-*	1	SPLIT	50 kA	50/60 Hz	120/240 V	20 kA	200 kA	1000	700	700	700	3/4
XE-100-1S1X-*	1	SPLIT	100 kA	50/60 Hz	120/240 V	20 kA	200 kA	1000	700	700	700	3/4
XE-050-3Y1X-*	3	WYE	50 kA	50/60 Hz	208Y/120 V	20 kA	200 kA	1000	600	600	700	3/4
XE-100-3Y1X-*	3	WYE	100 kA	50/60 Hz	208Y/120 V	20 kA	200 kA	1000	700	700	700	3/4
XE-050-3Y2X-*	3	WYE	50 kA	50/60 Hz	480Y/277 V	20 kA	200 kA	2000	1200	1200	1200	3/4
XE-100-3Y2X-*	3	WYE	100 kA	50/60 Hz	480Y/277 V	20 kA	200 kA	2000	1200	1200	1200	3/4
XE-050-3Y3X-*	3	WYE	50 kA	50/60 Hz	600Y/347 V	20 kA	200 kA	2500	1500	1500	1500	3/4
XE-100-3Y3X-*	3	WYE	100 kA	50/60 Hz	600Y/347 V	20 kA	200 kA	3000	1500	1500	1500	3/4
XE-050-3D1X-*	3	HI-LEG DELTA	50 kA	50/60 Hz	240D/120 V	20 kA	200 kA	1200/1800	700/1200	700/1200	700	3/4
XE-100-3D1X-*	3	HI-LEG DELTA	100 kA	50/60 Hz	240D/120 V	20 kA	200 kA	1200/1800	700/1200	700/1200	700	3/4
XE-050-3N4X-*	3	DELTA	50 kA	50/60 Hz	480 V	20 kA	200 kA	1800	-	1800	-	3/4
XE-100-3N4X-*	3	DELTA	100 kA	50/60 Hz	480 V	20 kA	200 kA	1800	-	1800	-	3/4
XE-050-3N6X-*	3	DELTA	50 kA	50/60 Hz	600 V	20 kA	200 kA	3000	-	3000	-	3/4
XE-100-3N6X-*	3	DELTA	100 kA	50/60 Hz	600 V	20 kA	200 kA	3000	-	3000	-	3/4

K

Tested and Certified:
Type 1 SPDs (no filter) = UL 1449 (4th Edition), CSA C22.2 No. 269.1-14

Operating temperature range -40 to +150˚ F

Enclosure is rated to NEMA/UL Type 1, 2, 3, 3R, 3X, 4 and 4X

Type 1 = Permanently connected SPDs permitted to be installed between the secondary of the service transformer and the line side of the service equipment overcurrent device, as well as the load side, permitted to be installed without an external overcurrent protective device on the line side of the service entrance

Add on option code to catalog number

Option Code	UL/CSA Type	Indicator LED	Audible Alarm	Dry Relay Contact
A	1	•		
B	1	•	•	•

***Indicates Package and option code- A, B**

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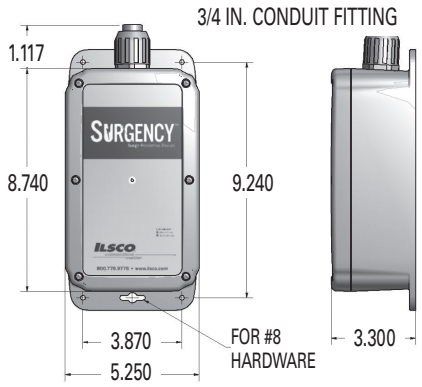
SURGENCY

Surge Protective Device - Type 2
Series XE - Commercial & Industrial

TYPE
SPD

Features
- Commercial & industrial surge protection,
- up to 7 protection modes
- Compact NEMA polycarbonate enclosure
- One blue LED per phase reporting power to the
- phases and one red LED indicating service required or phase loss, optional audible alarm and relay contacts
- Surge current strength up to 100 kA
- UL 1283 electrical noise filter
- UL 1449 Listed with advanced safety Integrated threaded female hub
- Ten year warranty
- Optional flush mount plate available for
- mounting versatility

Benefits
- Protects equipment downstream of electrical service entrance
- Mounted outdoors or indoors external or internal to any electrical panel, non-submersible
- Easy monitoring of surge protection status
- Withstands severe lightning strikes, up to 100 kA surge current per mode provides extended service life
- Protects critical commercial and industrial equipment
- Product longevity in the most demanding environments
- Quick Installation



Catalog Number	Electrical Characteristics					Nominal Discharge Current	Short Circuit Current Rating (SCCR)	UL Voltage Protection Rating				Conduit Size (in.)
	Phase	System	Per Mode Surge Current	AC Frequency	Nminal Voltage			L-L	L-N	L-G	N-G	
XE-050-1P1X-*	1	SINGLE	50 kA	50/60 Hz	100~140 V	20 kA	200 kA	-	700	700	700	3/4
XE-100-1P1X-*	1	SINGLE	100 kA	50/60 Hz	100~140 V	20 kA	200 kA	-	700	700	700	3/4
XE-050-1P2X-*	1	SINGLE	50 kA	50/60 Hz	220~280 V	20 kA	200 kA	-	1200	1200	1200	3/4
XE-100-1P2X-*	1	SINGLE	100 kA	50/60 Hz	220~280 V	20 kA	200 kA	-	1200	1200	1200	3/4
XE-050-1S1X-*	1	SPLIT	50 kA	50/60 Hz	120/240 V	20 kA	200 kA	1200	700	700	700	3/4
XE-100-1S1X-*	1	SPLIT	100 kA	50/60 Hz	120/240 V	20 kA	200 kA	1200	700	700	700	3/4
XE-050-3Y1X-*	3	WYE	50 kA	50/60 Hz	208Y/120 V	20 kA	200 kA	1000	700	600	700	3/4
XE-100-3Y1X-*	3	WYE	100 kA	50/60 Hz	208Y/120 V	20 kA	200 kA	1200	700	700	700	3/4
XE-050-3Y2X-*	3	WYE	50 kA	50/60 Hz	480Y/277 V	20 kA	200 kA	2000	1200	1200	1200	3/4
XE-100-3Y2X-*	3	WYE	100 kA	50/60 Hz	480Y/277 V	20 kA	200 kA	2500	1200	1200	1200	3/4
XE-050-3D1X-*	3	HI-LEG DELTA	50 kA	50/60 Hz	240D/120 V	20 kA	200 kA	1200/2000	800/1200	700/1200	700	3/4
XE-100-3D1X-*	3	HI-LEG DELTA	100 kA	50/60 Hz	240D/120 V	20 kA	200 kA	1200/2000	800/1200	700/1200	700	3/4
XE-050-3N4X-*	3	DELTA	50 kA	50/60 Hz	480 V	20 kA	200 kA	1800	-	1800	-	3/4
XE-100-3N4X-*	3	DELTA	100 kA	50/60 Hz	480 V	20 kA	200 kA	2000	-	1800	-	3/4

K

Tested and Certified:
Type 2 SPDs (filter) = UL 1449, UL 1283,
CSA C22.2 No. 269.2-13, CSA C22.2 No. 8-13

Operating temperature range -40 to +150˚ F

Enclosure is rated to NEMA/UL Type 1, 2, 3, 3R, 3X, 4 and 4X

Type 2 = Permanently connected SPDs intended for installation on the load side of the service equipment overcurrent device; including SPDs located at the branch panel

Add on option code to catalog number

Option Code	UL/CSA Type	Indicator LED	Audible Alarm	Dry Relay Contact	Electrical Noise Filter‡
C	2	•			•
D	2	•	•	•	•

***Indicates Package and option code- C or D**
‡ Advanced UL 1283 rated electrical noise filter

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M

A brief summary of comparative properties of metals suitable for current carrying applications and required features of the connector are listed below in Table 1.

Table 1
Relative Electrical Conductivity of Pure Metal

Order	Metal	% Volume Conductivity	Relative Abundance earth's surface %
1.	Silver	108.3	
2.	Copper	100.0	0.088%
3.	Gold	73.4	
4.	Aluminum	64.9	8.0%
5.	Magnesium	38.0	1.8%

The commercial use of copper and aluminum for electrical application are obvious, in terms of economic justifications. The accelerated use of aluminum becomes even more obvious when realized that it requires twice the amount of copper by weight, to carry a specified amount of current. At the unit price per pound of prime metal it is readily seen why aluminum is increasing in electrical application.

As the next logical step, and examination of available alloys and forms of aluminum should be made to determine the optimum choice for the manufacture of electrical connectors. Please refer to Table 2

Table 2
Properties of Materials
Aluminum Alloys

Alloy	Form	Typical Yield Strength	Minimum Yield Strength	Elongation	% Conductivity
6061-T6	Extrusion	40-45,000	35,000	12	40
6063-T6	Extrusion	31,000	25,000	12	53
Al. Mag.	Sand Cast	22,000	22,000	12	25
356-T6	Sand Cast	24,000	24,000	3½	39
AXS 679 (380A)	Die Cast	21,000	21,000	3	25

During the initial analysis of these materials, reference was made to the experience over many years of the effect of stress on tensioned overhead conductors. It is well documented that in order to assure mechanical stability of these conductors, over long periods of time, it is necessary to design the line so that the maximum stress will not exceed 50% of the conductors rated breaking strength. In the case of aluminum conductors the alloy most commonly used is EC-H19 having a yield strength of 22,000 psi and a tensile strength of 24,000 psi. From the foregoing it is obvious that a maximum stress level of 12,000 psi representing 50% of ultimate tensile strength or approximately 55% of yield strength, will result in the conductor remaining mechanically stable throughout its life.

M

With this initial premise being established it was necessary to confirm whether or not a determinable stress limit could be effectively applied to the design of connectors. The method of testing used to confirm this premise is noted in detail in table 8.

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Additional factors of design were recognized as necessary to achieve a stable and reliable connector. Requirements of aluminum connectors for use with aluminum or copper conductors.

a. Adequate strength of the connector to prevent creep loss in the connection from exceeding the creep loss of the conductor.

b. Strong enough clamping force (torque) to keep the connector operating temperature at a level below the operating temperature of the maximum size conductor.

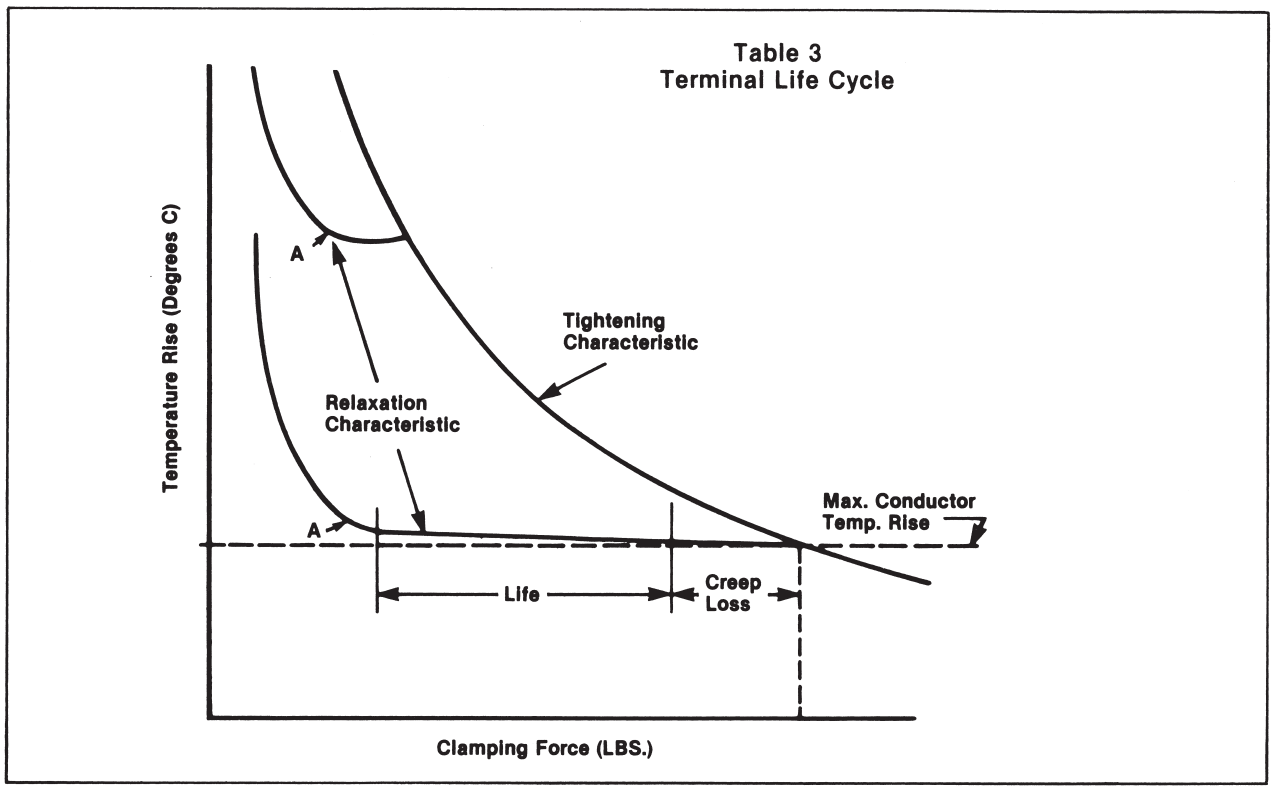
c. High enough conductivity to provide adequate efficiency (minimum of 40%).

To illustrate the significance of these requirements, Table 3 headed *Terminal life Cycle*, presents an examination of terminal temperature in relation to clamping force. The horizontal dotted line indicates the temperature of the conductor at maximum rise. The tightening characteristic curve shows a lowering of terminal temperature rise with an increased clamping force. Terminal temperature, measured in degrees centigrade, is used in our illustration as a measure of connector resistance. As the tightening characteristic curve approaches the dotted conductor temperature line at the same current value, the connector and conductor resistance approximate each other.

The curves labeled Relaxation Characteristic, merely indicate the anticipated progression a connector would follow to failure, once clamping force has been reduced to a level where terminal resistance can no longer be maintained at a low level. Point A on each curve represents that point where resistance is sufficiently high to cause and elevated operating temperature of the connector which will then progress to ultimate connector failure.

Proceeding with the assumption that stress limitation is a most critical factor in connector design it was then necessary to select and test the alloy materials which evidence the most favorable conductivity/yield strength/ economic factors. The initial selection of aluminum alloy 6061-T6 has long since been determined to be the best available material from which to fabricate connectors for use with both aluminum and copper conductors.

Table 3
Terminal Life Cycle



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Before proceeding further a definition of terms used, to assure understanding of the basis for the conclusions reached later in the paper, are listed.

Physical Property of Aluminum

Tensile Strength
The maximum tensile load which a material is capable of withstanding under gradually and uniformly applied loading, divided by the original cross-sectional area in the minimum plane perpendicular to the direction of loading. Commonly the term is taken to mean the same as " ultimate tensile strength" or the less accurate " breaking strength."

Yield Strength
The stress at which material exhibits a specified permanent set. The value of set used for aluminum and its alloys is 0.002 inch per inch or 0.2%. For the aluminum alloys the yield strength in tension and compression are approximately the same.

Elongation
The increase in distance between two gage marks that results from stressing the specimen in tension to fracture. Please see table 5.

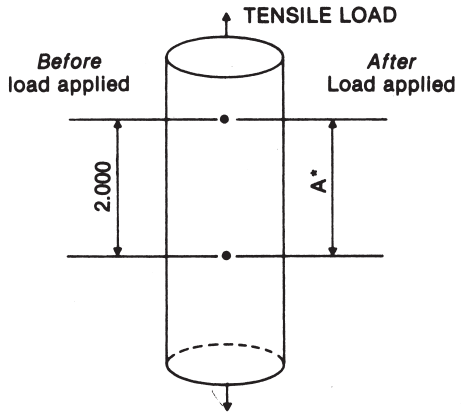

Table 5

*Dimension A

When distance between gage marks measures 2.004, level of tensile load indicated on gauge is recorded as material specimens yield strength.

To record elongation, tensile loading is continually applied until specimen fractures, at which time two pieces are mated and distance between gage marks accurately measured. The resultant dimension divided by the original increment provides the value expressed in %, of the materials ability to stretch under load, or its elongation.

Elastic Limit
The stress value below which no permanent set or permanent deformation takes place; the highest stress which will permit return to original shape upon removal of force causing the stress.

Elasticity
The ability of a material to return to its original shape and size upon removal of a load below the elastic limit.

Creep
A precise unit of measure disclosing the increase in dimension of a unit specimen having a specified area =A, an applied force =W with resultant constant stress= $\frac{W}{A}$. The initial increment of measurement L, is effected by three factors resulting in amount of increase or creep, stress, time and temperature.

To determine and express the creep rate for a given specimen in terms of inches of creep, per inches of original gage length, per hour, the factors of stress and temperature must be maintained constant. A change in either or both, will result in a change in the creep rate. Please refer to Tables 6 and 7.

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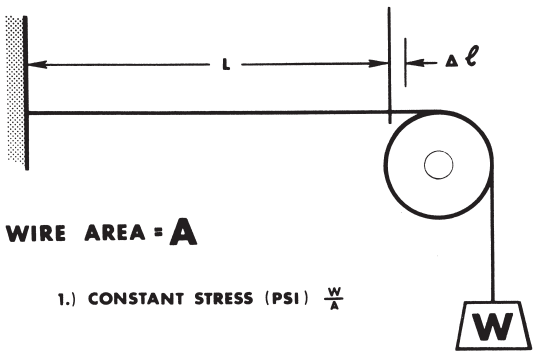
Table 6
Creep Measurement



WIRE AREA = A

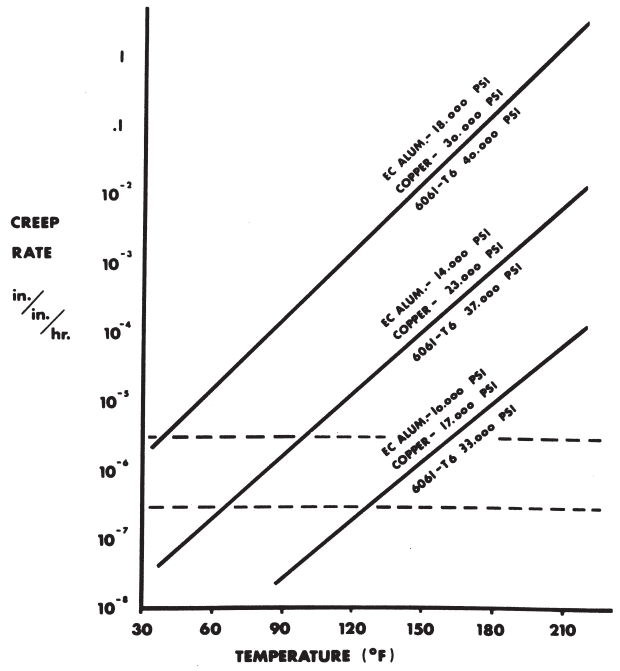
1.) CONSTANT STRESS (PSI) $\frac{W}{A}$

2.) TOTAL CREEP = $\Delta \ell$

CREEP RATE = $\frac{\Delta \ell}{L \times HRS}$ Inches / Inch / Hour (At Temperature T)

3.) TEMPERATURE CONSTANT FOR EACH MEASUREMENT VARIED TO REDUCE CREEP VS TEMP. CURVES

Table 7
Creep Rate vs. Temp.



Cold Flow

As compared to Creep, cold flow has no units of measure. The best description of cold flow relating to application within the electrical industry, is an excessively high rate of creep i.e. normal creep rate static load condition would be expressed in a fraction of an inch per inch of length. Cold flow, conversely if possible to measure it in definable terms, would be expressed in terms of inches of movement per inch of length. Cold flow then can be expressed as movement of appreciable magnitude occurring at a stress level in a very short length of time at an ambient temperature. Neither time or temperature are critical in assessing the effecting force of cold flow.

It is significant to realize that it is an absolute necessity to have cold flow of the conductor within a bolted connector to develop the desired low resistance contact, required for electrical/mechanical stability of the connection. So is it necessary to have cold flow of both the conductor and connector in the making of a compression connection. In these two instances a mechanical union of the two components is made by means of an externally applied force to assure both electrical and mechanical reliability. In the case of a soldered or welded connection this component union is made metallurgically.

Creep Loss

The unit of measurement, expressed in % of the initially applied mechanical force to a connection, divided by the resultant measured force after the unit has been subjected to controlled loadings of temperature and time. This value is relatively easy to determine for bolted connectors by accurately measuring applied torque before and after applying control factors of time and temperature. The resultant loss of torque is the creep loss experienced within the connection assembly.

It is difficult and inaccurate to project anticipated creep loss within a compression assembly since there is no way of effecting a measurement of the initially applied force and the resultant force remaining on the connection after the mechanical or hydraulic compression tool is removed from the connector.

The maximum desired creep loss in a connector/conductor assembly stated, is that portion of the total creep component represented by the creep component of the conductor alone.

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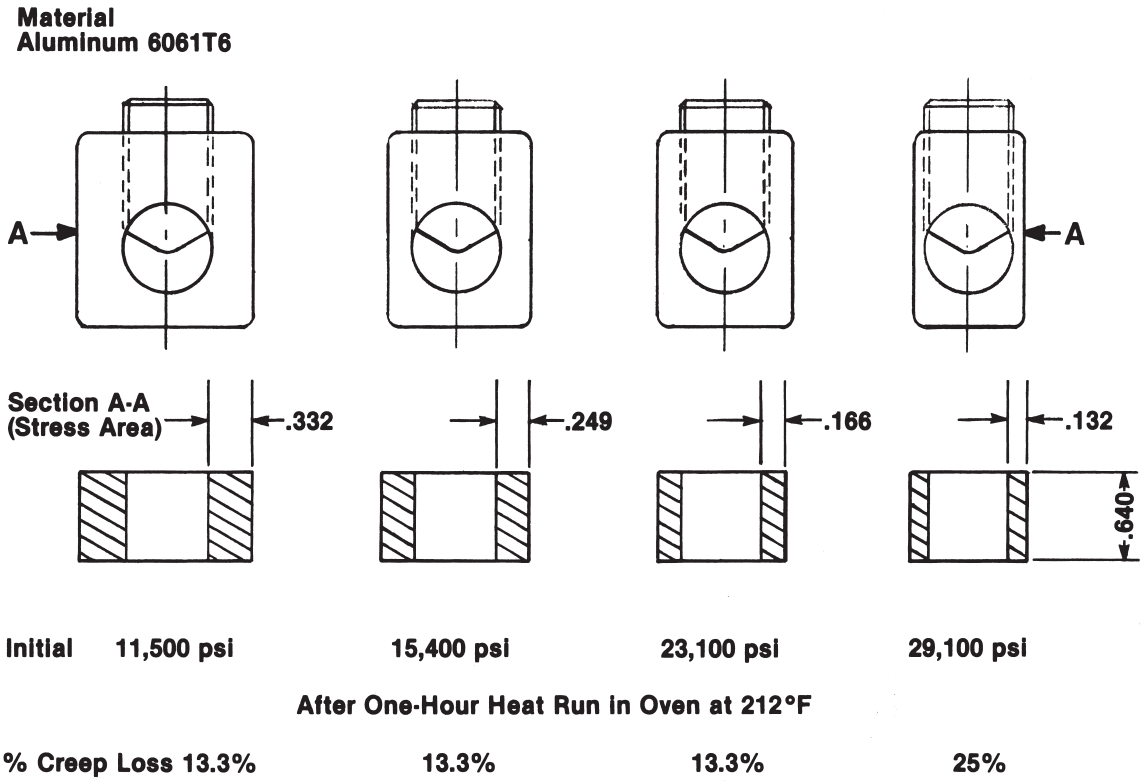
This brings us to the threshold of the discussion of design parameters used by Ilsco in the manufacturer of aluminum connectors.

Table 8
Tolerable Creep Limits for Aluminum Connector



Initial	11,500 psi	15,400 psi	23,100 psi	29,100 psi
After One-Hour Heat Run in Oven at 212°F				
% Creep Loss	13.3%	13.3%	13.3%	25%

To best understand the importance of the function of creep components in a connection assembly, recall the definition of cold flow wherein it is stated that it is necessary to the formulation of an electrically/mechanically stable connection to have cold flow of the conductor. Since cold flow is by definition a high rate of creep and since creep occurs only where constant stress is applied; the connection will undergo creep movement as a result of load cycling. It is mandatory that the connector be so designed that all creep within the assembly occur in the conductor.

The determination of tolerable creep limits for aluminum connector design were established through the test described below and pictured in Table 8

This test established the maximum stress which can be imposed on an aluminum connector made from Alloy 6061-T6
as being 23,000 psi which is approximately 1/2 typical yield strength. The value of creep loss for the first three connectors were identical; 13.3% whereas the fourth exhibited a 25% creep loss. The explanation is simply that the loads applied
to the section modulus of each of the first three test connectors resulted in a stress level below the elastic limit of the material and thereby causing no creep movement in the connector. The conductor on the other hand must be physically moved, and this conductor movement resulted in a redistribution of strand displacement and resultant redistribution of load. The 13.3% creep loss therefore can be stated as being that movement occurring within the conductor.

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The Fourth sample, however, evidenced in higher creep loss, resulting from creep in the conductor and the connector since the connector was stressed beyond its elastic limit and contributed to the total creep of the assembly.

The confirmation by actual test of this limitation of stress to 1/2 the materials yield strength has been utilized in the design of all connectors manufactured by Ilsco.

Preparation of wire
When an aluminum cable is installed, certain procedures should be followed to insure a good connection.

1. The insulation should be stripped with a whittling motion to prevent the cable from being nicked.

2. The cable should then be cleaned with a wire brush. This removes the oxides from the surface of the conductor.

3. In many cases, an oxide inhibitor is applied to the conductor immediately prior to installation. However, this is not absolutely necessary.

4. For mechanical connectors, the set screw should be tightened. After a few seconds, the set screw should be retightened to insure a good connection. For compression connectors, the lug should be crimped around the conductor using the proper tool.

Decimal Conversion Chart

MILLIMETER / DECIMAL / FRACTION CONVERSION CHART

Milli-meter	Decimal	Fraction (inches)	Milli-meter	Decimal	Fraction (inches)	Milli-meter	Decimal	Fraction (inches)	Milli-meter	Decimal	Fraction (inches)	Milli-meter	Decimal	Fraction (inches)
0.1	.0039		5.159	.2031	13/64	10.2	.4016		15.3	.6024		20.3	.7992	
0.2	.0079		5.2	.2047		10.3	.4055		15.4	.6063		20.4	.8031	
0.3	.0118		5.3	.2087		10.319	.4063	13/32	15.478	.6094	39/64	20.5	.8071	
0.397	.0156	1/64	5.4	.2126		10.4	.4094		15.5	.6102		20.6	.8110	
0.4	.0157		5.5	.2165		10.5	.4134		15.6	.6142		20.638	.8125	13/16
0.5	.0197		5.556	.2188	7/32	10.6	.4173		15.7	.6181		20.7	.8150	
0.6	.0236		5.6	.2205		10.7	.4213		15.8	.6220		20.8	.8189	
0.7	.0276		5.7	.2244		10.716	.4219	27/64	15.875	.6250	5/8	20.9	.8228	
0.794	.0313	1/32	5.8	.2283		10.8	.4252		15.9	.6260		21.0	.8268	
0.8	.0315		5.9	.2323		10.9	.4291		16.0	.6299		21.034	.8281	53/64
0.9	.0354		5.953	.2344	15/64	11.0	.4331		16.1	.6339		21.1	.8307	
1.0	.0394		6.0	.2362		11.1	.4370		16.2	.6378		21.2	.8346	
1.1	.0433		6.1	.2402		11.113	.4375	7/16	16.272	.6406	41/64	21.3	.8386	
1.191	.0469	3/64	6.2	.2441		11.2	.4409		16.3	.6417		21.4	.8425	
1.2	.0472		6.3	.2480		11.3	.4449		16.4	.6457		21.431	.8438	27/32
1.3	.0512		6.350	.2500	1/4	11.4	.4488		16.5	.6496		21.5	.8465	
1.4	.0551		6.4	.2520		11.5	.4528		16.6	.6535		21.6	.8504	
1.5	.0591		6.5	.2559		11.509	.4531	29/64	16.669	.6563	21/32	21.7	.8543	
1.588	.0625	1/16	6.6	.2598		11.6	.4567		16.7	.6575		21.8	.8583	
1.6	.0630		6.7	.2638		11.7	.4606		16.8	.6614		21.828	.8594	55/64
1.7	.0669		6.747	.2656	17/64	11.8	.4646		16.9	.6654		21.9	.8622	
1.8	.0709		6.8	.2677		11.9	.4685		17.0	.6693		22.0	.8661	
1.9	.0748		6.9	.2717		11.906	.4688	15/32	17.066	.6719	43/64	22.1	.8701	
1.984	.0781	5/64	7.0	.2756		12.0	.4724		17.1	.6732		22.2	.8740	
2.0	.0787		7.1	.2795		12.1	.4764		17.2	.6772		22.225	.8750	7/8
2.1	.0827		7.144	.2813	9/32	12.2	.4803		17.3	.6811		22.3	.8780	
2.2	.0866		7.2	.2835		12.3	.4843		17.4	.6850		22.4	.8819	
2.3	.0906		7.3	.2874		12.303	.4844	31/64	17.463	.6875	11/16	22.5	.8858	
2.381	.0938	3/32	7.4	.2913		12.4	.4882		17.5	.6890		22.6	.8898	
2.4	.0945		7.5	.2953		12.5	.4921		17.6	.6929		22.622	.8906	57/64
2.5	.0984		7.541	.2969	19/64	12.6	.4961		17.7	.6968		22.7	.8937	
2.6	.1024		7.6	.2992		12.7	.5000	1/2	17.8	.7008		22.8	.8976	
2.7	.1063		7.7	.3031		12.8	.5039		17.859	.7031	45/64	22.9	.9016	
2.778	.1094	7/64	7.8	.3071		12.9	.5079		17.9	.7047		23.0	.9055	
2.8	.1102		7.9	.3110		13.0	.5118		18.0	.7087		23.019	.9063	29/32
2.9	.1142		7.938	.3125	5/16	13.097	.5156	33/64	18.1	.7126		23.1	.9094	
3.0	.1181		8.0	.3150		13.1	.5157		18.2	.7165		23.2	.9134	
3.1	.1220		8.1	.3189		13.2	.5197		18.256	.7188	23/32	23.3	.9173	
3.175	.1250	1/8	8.2	.3228		13.3	.5236		18.3	.7205		23.4	.9213	
3.2	.1260		8.3	.3268		13.4	.5276		18.4	.7244		23.416	.9219	59/64
3.3	.1299		8.334	.3281	21/64	13.494	.5313	17/32	18.5	.7283		23.5	.9252	
3.4	.1339		8.4	.3307		13.5	.5315		18.6	.7323		23.6	.9291	
3.5	.1378		8.5	.3346		13.6	.5354		18.653	.7344	47/64	23.7	.9331	
3.572	.1406	9/64	8.6	.3386		13.7	.5394		18.7	.7362		23.8	.9370	
3.6	.1417		8.7	.3425		13.8	.5433		18.8	.7402		23.813	.9375	15/16
3.7	.1457		8.731	.3438	11/32	13.891	.5469	35/64	18.9	.7441		23.9	.9409	
3.8	.1496		8.8	.3465		13.9	.5472		19.0	.7480		24.0	.9449	
3.9	.1535		8.9	.3504		14.0	.5512		19.050	.7500	3/4	24.1	.9488	
3.969	.1563	5/32	9.0	.3543		14.1	.5551		19.1	.7520		24.2	.9528	
4.0	.1575		9.1	.3583		14.2	.5591		19.2	.7559		24.209	.9531	61/64
4.1	.1614		9.128	.3594	23/64	14.288	.5625	9/16	19.3	.7598		24.3	.9567	
4.2	.1654		9.2	.3622		14.3	.5630		19.4	.7638		24.4	.9606	
4.3	.1693		9.3	.3661		14.4	.5669		19.447	.7656	49/64	24.5	.9646	
4.366	.1719	11/64	9.4	.3701		14.5	.5709		19.5	.7677		24.6	.9685	
4.4	.1732		9.5	.3740		14.6	.5748		19.6	.7717		24.606	.9688	31/32
4.5	.1772		9.525	.3750	3/8	14.684	.5781	37/64	19.7	.7756		24.7	.9724	
4.6	.1811		9.6	.3780		14.7	.5787		19.8	.7795		24.8	.9764	
4.7	.1850		9.7	.3819		14.8	.5827		19.844	.7813	25/32	24.9	.9803	
4.763	.1875	3/16	9.8	.3858		14.9	.5866		19.9	.7835		25.0	.9843	
4.8	.1890		9.9	.3898		15.0	.5906		20.0	.7874		25.003	.9844	63/64
4.9	.1929		9.922	.3906	25/64	15.081	.5938	19/32	20.1	.7913		25.1	.9882	
5.0	.1969		10.0	.3937		15.1	.5945		20.2	.7953		25.2	.9921	
5.1	.2008		10.1	.3976		15.2	.5984		20.241	.7969	51/64	25.3	.9961	
												25.400	1.0000	1

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Wire Size Charts

AWG VS. METRIC WIRE SIZES

Circ. Mils	Equivalent Circ. Mils	Awg. Size	Metric Wire Size mm²	Stranding/ Wire Diameter Per Strand		Approximate Overall Diameter	
				in	mm	in	mm
–	937	–	0.50	1/.032	1/.813	.032	0.81
1020	–	20	–	7/.0121	7/.030	.036	0.91
–	1480	–	0,75	1/.039	1/.991	.039	0.99
1620	–	18	–	1/.0403	1/1.02	.040	1.02
1620	–	18	–	7/.0152	7/.386	.046	1.16
–	1974	–	1.0	1/.045	1/1.14	.045	1.14
–	1974	–	1.0	7/.017	7/.432	.051	1.30
2580	–	16	–	1/.0508	1/1.29	.051	1.29
2580	–	16	–	7/.0192	7/.488	.058	1.46
–	2960	–	1.5	1/.055	1/1.40	.055	1.40
–	2960	–	1.5	7/.021	7/.533	.063	1.60
4110	–	14	–	1/.0641	1/1.63	.064	1.63
4110	–	14	–	7/.0242	7/.615	.073	1.84
–	4934	–	2.5	1/.071	1/1.80	.071	1.80
–	4934	–	2.5	7/.027	7/.686	.081	2.06
6530	–	12	–	1/.0808	1/2.05	.081	2.05
6530	–	12	–	7/.0305	7/.775	.092	2.32
–	7894	–	4	1/.089	1/2.26	.089	2.26
–	7894	–	4	7/.034	7/.864	.102	2.59
10380	–	10	–	1/.1019	1/2.59	.102	2.59
10380	–	10	–	7/.0385	7/.978	.116	2.93
–	11840	–	6	1/.109	1/2.77	.109	2.77
–	11840	–	6	7/.042	7/1.07	.126	3.21
13090	–	9	–	1/.1144	1/2.91	.114	2.91
13090	–	9	–	7/.0432	7/1.10	.130	3.30
16510	–	8	–	1/.1285	1/3.26	.128	3.26
16510	–	8	–	7/.0486	7/1.23	.146	3.70
–	19740	–	10	1/.141	1/3.58	.141	3.58
–	19740	–	10	7/.054	7/1.37	.162	4.12
20820	–	7	–	1/.1443	1/3.67	.144	3.67
20820	–	7	–	7/.0545	7/1.38	.164	4.15
26240	–	6	–	1/.162	1/4.11	.162	4.11
26240	–	6	–	7/.0612	7/1.55	.184	4.66
–	31580	–	16	7/.068	7/1.73	.204	5.18
33090	–	5	–	7/.0688	7/1.75	.206	5.24
41740	–	4	–	7/.0772	7/1.96	.232	5.88
–	49340	–	25	7/.085	7/2.16	.255	6.48
–	49340	–	25	19/.052	19/1.32	.260	6.60
52620	–	3	–	7/.0867	7/2.20	.260	6.61
66360	–	2	–	7/.0974	7/2.47	.292	7.42
–	69070	–	35	7/.100	7/2.54	.300	7.62
–	69070	–	35	19/.061	19/1.55	.305	7.75

Circ. Mils	Equivalent Circ. Mils	Awg. Size	Metric Wire Size mm²	Stranding/ Wire Diameter Per Strand		Approximate Overall Diameter	
				in	mm	in	mm
83690	–	1	–	19/.0664	19/1.69	.332	8.43
–	98680	–	50	19/.073	19/1.85	.365	9.27
105600	–	1/0	–	19/.0745	19/1.89	.373	9.46
133100	–	2/0	–	19/.0837	19/2.13	.419	10.6
–	138100	–	70	19/.086	19/2.18	.430	10.9
167800	–	3/0	–	19/.094	19/2.39	.470	11.9
167800	–	3/0	–	37/.0673	37/1.71	.471	12.0
–	187500	–	95	19/.101	19/2.57	.505	12.8
–	187500	–	95	37/.072	37/1.83	.504	12.8
211600	–	4/0	–	19/.1055	19/2.68	.528	13.4
–	237.8 kcmil	–	120	37/.081	37/2.06	.567	14.4
250 kcmil	–	–	–	37/.0822	37/2.09	.575	14.6
300 kcmil	–	–	150	37/.090	37/2.29	.630	16.0
350 kcmil	–	–	–	37/.0973	37/2.47	.681	17.3
–	365.1 kcmil	–	185	37/.100	37/2.54	.700	17.8
400 kcmil	–	–	–	37/.104	37/2.64	.728	18.5
–	473.6 kcmil	–	240	37/.114	37/2.90	.798	20.3
–	473.6 kcmil	–	240	61/.089	61/2.26	.801	20.3
500 kcmil	–	–	–	37/.1162	37/2.95	.813	20.7
500 kcmil	–	–	–	61/.0905	61/2.30	.814	20.7
–	592.1 kcmil	–	300	61/.099	61/2.51	.891	22.6
600 kcmil	–	–	–	61/.0992	61/2.52	.893	22.7
700 kcmil	–	–	–	61/.1071	61/2.72	.964	24.5
750 kcmil	–	–	–	61/.1109	61/2.82	.998	25.4
750 kcmil	–	–	–	91/.0908	91/2.31	.999	25.4
–	789.4 kcmil	–	400	61/.114	61/2.90	1.026	26.1
800 kcmil	–	–	–	61/.1145	61/2.91	1.031	26.2
800 kcmil	–	–	–	91/.0938	91/2.38	1.032	26.2
1000 kcmil	986.8 kcmil	–	500	61/.1280	61/3.25	1.152	29.3
1000 kcmil	–	–	–	91/.1048	91/2.66	1.153	29.3
–	1233.7 kcmil	–	625	91/.117	91/2.97	1.287	32.7
1250 kcmil	–	–	–	91/.1172	91/2.98	1.289	32.7
1250 kcmil	–	–	–	127/.0992	127/2.52	1.290	32.8
1500 kcmil	–	–	–	91/.1284	91/3.26	1.412	35.9
1500 kcmil	–	–	–	127/.1087	127/2.76	1.413	35.9
–	1578.8 kcmil	–	800	91/.132	91/3.35	1.452	36.9
–	1973.5 kcmil	–	1000	91/.147	91/3.73	1.617	41.1
2000 kcmil	–	–	–	127/.1255	127/3.19	1.632	41.5
2000 kcmil	–	–	–	169/.1088	169/2.76	1.632	41.5

DIESEL LOCOMOTIVE AND CAR WIRING CABLE

Conductor Stranding	Approx. Size Awg	Circular Mil Area	Conductor Diameter Inches
19/.0117	16	2601	.060
19/27	14	3831	.096
19/25	12	6088	.116
27/24	10	10910	.146
37/24	8	14950	.166
61/24	6	24640	.226
91/24	5	36760	.256
105/24	4	42420	.286
125/24	3	50500	.300
150/24	2	60600	.366
225/24	1	90900	.424
275/24	1/0	111100	.454
325/24	2/0	131300	.494
450/24	3/0	181800	.604
550/24	4/0	222200	.634
650/24	262.6	262600	.712
775/24	313.1	313100	.792
925/24	373.7	373700	.852
1100/24	444.4	444400	.922
1325/24	535.3	535300	1.022
1600/24	646.4	646400	1.122
1925/24	777.7	777700	1.182
2300/24	929.2	929200	1.292
2750/24	1111.0	1111000	1.43

Table 310.15(B)(16) (formerly Table 310.16) Allowable Ampacities of Insulated Conductors Rated Up to and Including 2000 Volts, 60°C Through 90°C (140°F Through 194°F), Not More Than Three Current-Carrying Conductors in Raceway, Cable, or Earth (Directly Buried), Based on Ambient Temperature of 30°C (86°F)*

Size AWG or kcmil	Temperature Rating of Conductor [See Table 310.104(A).]						Size AWG or kcmil
	60°C (140°F)	75°C (167°F)	90°C (194°F)	60°C (140°F)	75°C (167°F)	90°C (194°F)	
	Types TW, UF	Types RHW, THHW, THW, THWN, XHHW, USE, ZW	Types TBS, SA, SIS, FEP, FEPB, MI, RHH, RHW-2, THHN, THHW, THW-2, THWN-2, USE-2, XHH, XHHW, XHHW-2, ZW-2	Types TW, UF	Types RHW, THHW, THW, THWN, XHHW, USE	Types TBS, SA, SIS, THHN, THHW, THW-2, THWN-2, RHH, RHW-2, USE-2, XHH, XHHW, XHHW-2, ZW-2	
	COPPER			ALUMINUM OR COPPER-CLAD ALUMINUM			
18**	—	—	14	—	—	—	—
16**	—	—	18	—	—	—	—
14**	15	20	25	—	—	—	—
12**	20	25	30	15	20	25	12**
10**	30	35	40	25	30	35	10**
8	40	50	55	35	40	45	8
6	55	65	75	40	50	55	6
4	70	85	95	55	65	75	4
3	85	100	115	65	75	85	3
2	95	115	130	75	90	100	2
1	110	130	145	85	100	115	1
1/0	125	150	170	100	120	135	1/0
2/0	145	175	195	115	135	150	2/0
3/0	165	200	225	130	155	175	3/0
4/0	195	230	260	150	180	205	4/0
250	215	255	290	170	205	230	250
300	240	285	320	195	230	260	300
350	260	310	350	210	250	280	350
400	280	335	380	225	270	305	400
500	320	380	430	260	310	350	500
600	350	420	475	285	340	385	600
700	385	460	520	315	375	425	700
750	400	475	535	320	385	435	750
800	410	490	555	330	395	445	800
900	435	520	585	355	425	480	900
1000	455	545	615	375	445	500	1000
1250	495	590	665	405	485	545	1250
1500	525	625	705	435	520	585	1500
1750	545	650	735	455	545	615	1750
2000	555	665	750	470	560	630	2000

*Refer to 310.15(B)(2) for the ampacity correction factors where the ambient temperature is other than 30°C (86°F).
**Refer to 240.4(D) for conductor overcurrent protection limitations.

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Amperage Rating

Table 310.15(B)(3)(a) Adjustment Factors for More Than Three Current-Carrying Conductors in a Raceway or Cable

Number of Conductors[1]	Percent of Values in Table 310.15(B)(16) through Table 310.15(B)(19) as Adjusted for Ambient Temperature if Necessary
4–6	80
7–9	70
10–20	50
21–30	45
31–40	40
41 and above	35

[1]Number of conductors is the total number of conductors in the raceway or cable adjusted in accordance with 310.15(B)(5) and (6).

M

Torque Index

INFORMATION SHEET
TIGHTENING TORQUE VALUES FOR ILSCO MECHANICAL SCREW CONNECTORS

WIRE SIZE	TIGHTENING TORQUE IN INCH POUNDS	
	SCREW DRIVER COMBO SLOTTED	EXTERNAL DRIVE WRENCH
14 AWG	35	75
12 AWG	35	75
10 AWG	35	75
8 AWG	40	75
6 AWG	45	110
4 AWG	45	110
2 AWG	50	150
1 AWG	50	150
1/0 AWG	50	180
2/0 AWG	50	180
3/0 AWG		250
4/0 AWG		250
250kcmil		325
350kcmil		325
500kcmil		375
600kcmil		375
700kcmil		375
750kcmil		375
800kcmil		500
1000kcmil		500

FORM 1
Revised 9-21-2015

INFORMATION SHEET
TIGHTENING TORQUE VALUES FOR ILSCO SOCKETHEAD SCREW CONNECTORS

INTERNAL SOCKET SIZE ACROSS FLATS INCHES	TIGHTENING TORQUE IN INCH POUNDS INTERNAL SOCKET
1/8	45
5/32	100
3/16	120
7/32	150
1/4	200
5/16	275
3/8	375
1/2	500
9/16	600

FORM 1
Revised 9-21-2015

TIGHTENING TORQUE FOR CONNECTING HARDWARE

SCREW OR BOLT SIZE		TIGHTENING TORQUE	
METRIC	SAE	N•m	(lbf•ft)
-	No. 8 or smaller	2	(1.5) 18
-	No. 10	3	(2.0) 24
M6	1/4	8	(6) 72

Please reference the instruction sheet included with your connector for specific torque values.
All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)
* Torque information included with product supersedes this page.

M

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Torque Information

Table I shows the recommended tightening torques for silicon bronze, stainless steel, galvanized steel and aluminum alloy hardware. The shaded portion represents torques presently recommended by NEMA-CC1-1984 specification.

TABLE I
TIGHTENING TORQUES

Bolt Diameter	Nominal Torque Values			
	Silicon Bronze, Galvanized or Stainless Steel		Aluminum Alloy (Lubricated)	
	Ft.-Lbs.	Inch-Lbs.	Ft.-Lbs.	Inch-Lbs
5/16-18	15	180	–	–
3/8-16	20	240	14	168
1/2-13	40	480	25	300
5/8-11	55	660	40	480
3/4-10	80	960	70	840

For optimum efficiency, it is necessary that the correct bolt, nut and washer combination be used with the correct combination of conductor materials. Table II shows acceptable methods of joining different combinations of bus bar. Where different combinations of metals are being joined, a follow-up device such as a conical pressure washer is usually recommended if one, or both, bus materials are soft drawn aluminum. If both bars are hard drawn, large flat washers will suffice regardless of the bolt materials.

Other considerations which should be taken into account when selecting hardware are corrosion and vibration. For example, if severe corrosion is anticipated, non-corrosive materials such as stainless steel or silicon bronze, should be selected in preference to galvanized steel. If vibration is anticipated, the use of locking washers should be considered.

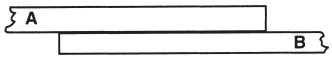
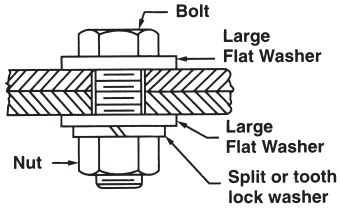
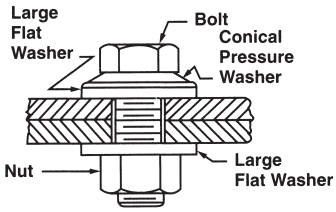


TABLE II
METHODS OF JOINING BUS BARS

If "A" Bar is and If "B" Bar is	Copper / Copper	Aluminum / Copper	Steel / Copper	Aluminum / Aluminum	Steel / Aluminum
Hard Drawn Bus such as aluminum alloy. 	(1) Silicon Bronze (2) Stainless Steel	(1) Silicon Bronze (2) Aluminum (3) Stainless Steel	(1) Silicon Bronze (2) Stainless Steel	(1) Aluminum (2) Stainless Steel (3) Silicon Bronze, Plated	(1) Aluminum (2) Stainless Steel
Soft Drawn Bus such as EC-H13 Aluminum. 	(1) Silicon Bronze (2) Stainless Steel	(1) Silicon Bronze (2) Aluminum (3) Stainless Steel (4) Conical Pressure Washer Plated or Stainless Steel	(1) Silicon Bronze (2) Stainless Steel	(1) Aluminum (2) Stainless Steel (3) Silicon Bronze Plated (4) Conical Pressure Washer Plated or Stainless Steel	(1) Aluminum (2) Stainless Steel (3) Conical Pressure Washer Plated or Stainless Steel

(1) Denotes preferred hardware usage
Note: Contact sealant recommended between aluminum to aluminum and aluminum to copper connections, unless other protective measures are taken.

Bar Connections

The tang of a compression or a mechanical connector is a bus bar, which connects to another bus bar. If you remember the rule about wire brushing and using joint compound with bare (unplated) aluminum, you cannot go wrong. Plated parts should be cleaned with a solvent if they are dirty, but never abrade or otherwise disturb the plating! Fig. 3 shows a typical bar connection and the type of hardware used.

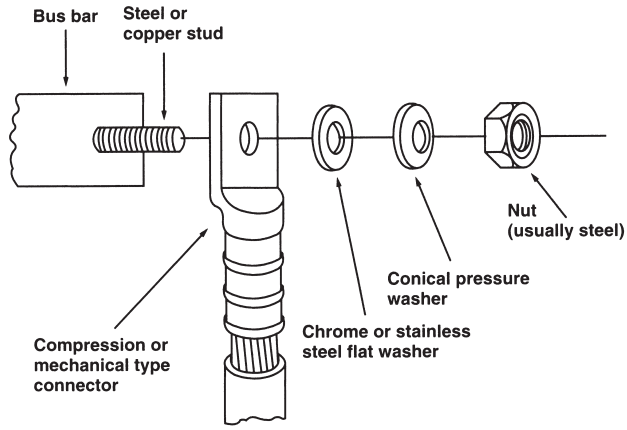


Figure 3. Contact surfaces must be clean. Use a joint compound with bare aluminum. Conical pressure washer is usually recommended if one, or both, bus materials are soft drawn aluminum.

Subject: Restriction of Hazardous Substances (RoHS)

European Directive 2011/65/EU

As of July 1st 2006 ILSCO Corporation is capable of supplying all items offered for sale compliant with the standards listed in the RoHS directive.

All cataloged items are RoHS Compliant unless noted to the contrary.

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Access to Cross Reference can be found under Reference Tab at www.ILSCO.com

Two Ways to Search

1. Type in all or part of the competitive or Ilsco part number into the **SEARCH** box in the header, then click **GO**.
2. Click "Search Options" in the header. From there, you are given five ways to search.

By Keyword: Type in a keyword and click **GO**. For example, typing "splice" will return a list of products that can be used to splice conductor. You can click on any of the products listed and you will be taken to the catalog page.

By Ilsco Catalog #: Type in all or part of the Ilsco part number and click **GO** You can click on any of the products listed and you will be taken to the catalog page.

By UPC/NAED Part #: Type in the Ilsco UPC number and click **GO**. The Ilsco corporate identifier, 783669, is already given. For example, typing "88774" will return information on "TA-2".

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Choose a category: Select a product category from the list and click **GO**. You will receive a list of the product groups in that category. You can click on any of the products listed and you will be taken to the catalog page.

If your request is not in our database, you will be sent to a screen where you can send an e-mail to Ilsco's technical support department. Your request will be answered promptly.

This cross reference information has been compiled from tables, catalogs and data which are generally available. Since changes are made regularly in the industry, we cannot accept responsibility for any errors, but we will endeavor at all times to keep these tables up-to-date. Refer to our current catalog for exact specifications on ILSCO connectors. All connectors are not exact equals, but enough similarities exist that they can be used for the same application.

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