liquatite®

ALL PRODUCTS CATALOG

electri-flex company

213271

Markets

	Conduit Type	Market																					
		Aerospace	Cell Towers	Construction	Data Centers	DataComm	Defense	Food Processing	Healthcare	Machine Tools (OEM)	Mining	Oil & Gas Refineries	Pharmaceuticals	Power Plants	Rail/Transit	Renewable Energy	Robotics	Security	Ship Building	Steel Mills	Telecommunications	Utilities	Wastewater Treatment
JACKETED METALLIC	TYPE LA	•	•	•	•	•	•		•	•	•	•		•		•		•	•	•	•	•	•
	TYPE LT									•				•								•	
	TYPE EF			•						•													
	TYPE ATLA		•			•	•				•	•		•		•		•		•	•	•	
	TYPE AT										•	•		•						•		•	
	TYPE ATX						•				•	•		•						•		•	•
	TYPE ALT																		•			•	•
	TYPE ZHLA	•			•	•	•		•		•			•	•				•	•	•		
	TYPE CEA	•									•			•	•					•			
	TYPE CSA			•							•			•						•		•	
	TYPE VJC									•							•	•					
	TYPE LAFG							•	•				•										
	TYPE LAFG-SS							•	•				•										
	TYPE LA-SS						•		•		•	•		•					•	•		•	•
	TYPE ZHLA-SS	•					•		•		•			•	•				•	•			
	TYPE ATX-SS						•				•	•		•					•	•		•	•
	TYPE ATLA-SS						•				•	•		•					•	•		•	•
	TYPE CBLA				•	•															•		
EMI/RFI	TYPE SLA	•	•			•	•		•									•	•		•		
	TYPE HFSLA	•				•	•		•										•		•		
	TYPE EMS	•	•			•	•		•									•	•		•		
	TYPE HFEMS	•				•	•		•										•		•		
	TYPE EMCS	•	•			•	•		•									•	•		•		
	TYPE HFEMCS	•				•	•		•										•		•		
UNJACKETED METALLIC	TYPE BR			•	•	•									•	•		•			•	•	
	TYPE ABR			•	•	•									•	•		•			•		•
	TYPE ABRH			•														•				•	•
	TYPE USL																	•					
	TYPE SL																	•					
NONMETALLIC	TYPE LNMP									•	•			•			•						
	TYPE LNMP FOOD GRADE							•	•				•				•						
	TYPE NMFG							•	•				•										
	TYPE NM		•	•		•										•			•		•	•	•
	TYPE NMHT		•									•		•		•							
	TYPE NM2					•				•						•	•	•			•		

Liquatite® Conduit Application Guide

Temperature Range

	Conduit Type	°C -60°	-40°	-20°	0°	50°	60°	75°	80°	90°	105°	150°	Oils	Mild Acids
		°F -76°	-40°	-4°	32°	122°	140°	167°	176°	194°	221°	302°		
JACKETED METALLIC	TYPE LA												•	•
	TYPE LT												•	•
	TYPE EF												•	•
	TYPE ATLA												•	•
	TYPE AT												•	•
	TYPE ATX												•	•
	TYPE ALT												•	•
	TYPE ZHLA												•	•
	TYPE CEA												•	•
	TYPE CSA												•	•
	TYPE VJC												•	•
	TYPE LAFG												•	•
	TYPE LAFG-SS												•	•
	TYPE LA-SS												•	•
	TYPE ZHLA-SS												•	•
	TYPE ATX-SS												•	•
	TYPE ATLA-SS												•	•
	TYPE CBLA												•	•
EMI/RFI	TYPE SLA												•	•
	TYPE HFSLA												•	•
	TYPE EMS												•	•
	TYPE HFEMS												•	•
	TYPE EMCS												•	•
	TYPE HFEMCS												•	•
UNJACKETED METALLIC	TYPE BR													
	TYPE ABR													
	TYPE ABRH													
	TYPE USL													
	TYPE SL													
NONMETALLIC	TYPE LNMP												•	•
	TYPE LNMP FOOD GRADE												•	•
	TYPE NMFG												•	•
	TYPE NM												•	•
	TYPE NMHT												•	•
	TYPE NM2												•	

The Source For Flexible Electrical Conduit

Liquatite®, by Electri-Flex Company, has earned an international leadership reputation for quality, service, and product innovation. For over 70 years, Electri-Flex Company has been a trusted leader in the electrical industry, delivering American-made flexible conduit built to the industry's highest quality standards. The Liquatite® line includes nearly 50 varieties of electrical conduits for contractors, OEMs, industrial maintenance and repair (MRO), government, utility, and export users. Product categories include: Jacketed Metallic, EMI/RFI Shielded (Shield-Flex), Unjacketed Metallic and Nonmetallic. Custom design and manufacturing capabilities are also available.

JACKETED METALLIC

TYPE LA
LIQUATITE® APPROVED

Made in USA

Description: A flexible, steel, sunlight (UV) resistant conduit which is both listed by Underwriters Laboratories Inc. and certified by Canadian Standards Association for "Heavy-Duty" applications. It offers outstanding protection against wet, oily conditions and is permitted for use in exposed or concealed locations. Other colors available upon request.

Core: Hot Dipped Galvanized Steel
Jacket: Flexible PVC
Trade Size: 3/8" - 4"
Temp. Range: -30ºC to 80ºC Dry/60ºC Wet/70ºC Oil
Approvals: UL listed, CSA certified, CE, BABA

TYPE LT
INDUSTRIAL GRADE

Made in USA

Description: A general purpose flexible, oil-resistant, non-UL spec grade liquid-tight steel conduit designed for a variety of installations requiring motion, vibration and bending. It offers good mechanical and moisture protection to enclosed conductors.

Core: Hot Dipped Galvanized Steel
Jacket: Flexible PVC
Trade Size: 1/4" - 6"
Temp. Range: -30°C to 80°C Dry / 60°C Wet / 70°C Oil
Approvals: CE, BABA

TYPE LAFG
UL LISTED FOOD GRADE ANTIMICROBIAL

Made in USA

Description: A UL Listed, CSA Certified, flexible liquid-tight steel conduit that is antimicrobial and is designed for a variety of installations regarding motion, vibration, and bending on food processing equipment.
Common Applications: Food manufacturing and processing plants, pharmaceutical manufacturers, meat and poultry packing facilities.

Core: Hot Dipped Galvanized Steel
Jacket: FDA Approved Flexible PVC
Trade Size: 3/8" – 4"
Temp. Range: UL: -30°C to 105°C Dry / 60°C Wet / 70°C Oil
& CSA: -30°C to 105°C Dry / 75°C Oil
Approvals: UL listed, CSA certified, FDA Approved Jacketing Material, NSF certified, CE, BABA

TYPE EF
GENERAL PURPOSE LIQUATITE®

Made in USA

Description: This non-UL flexible liquid-tight conduit is a competitive grade version of our type LT designed for a variety of installations requiring motion, vibration and bending. It offers good mechanical and moisture protection to enclosed conductors.

Core: Hot Dipped Galvanized Steel
Jacket: Flexible PVC
Trade Size: 3/8" - 2"
Temp. Range: -20°C to 80°C
Approvals: CE, BABA

TYPE CBLA
COMPUTER WIRING

Made in USA

Description: Computer Blue LA (CBLA) is a liquid-tight flexible steel conduit commonly used for computer room installations. The blue jacket color easily identifies circuitry for computer power wiring. It is listed by Underwriters Laboratories Inc. and certified by Canadian Standards Association for "Heavy-Duty" applications.
Common Applications: Computer rooms and data centers.

Core: Hot Dipped Galvanized Steel
Jacket: Blue Flexible PVC
Trade Size: 3/8" - 4"
Temp. Range: -30°C to 80°C Dry/60°C Wet/70°C Oil
Approvals: UL listed, CSA certified, CE, BABA

TYPE CSA
CANADIAN STANDARD

Made in USA

Description: This flexible liquid-tight steel conduit is certified by the Canadian Standards Association for "Heavy-Duty" applications. Its design and function is similar to that of type LA, except that it cannot be used as a ground return path per the Canadian code.

Core: Hot Dipped Galvanized Steel
Jacket: Flexible PVC
Trade Size: 3/8" - 4"
Temp. Range: -40°C to 75°C
Approvals: CSA certified, CE, BABA

TYPE ATLA
ALL TEMPERATURE

Made in USA

Description: A liquid-tight UL listed and CSA certified flexible steel conduit designed specifically for extreme hot or cold environments. The flexible inner core is identical to that found in Type LA. The specially formulated PVC jacket remains flexible at low temperatures and resists aging at elevated temperatures.
Common Applications: High temperature machine tool wiring, power plants, steel mills, oil refineries, and sub-zero areas.

Core: Hot Dipped Galvanized Steel
Jacket: High/Low Temp Flexible PVC
Trade Size: 1/2" - 4"
Temp. Range: UL: -55°C to 105°C Air/60°C Wet/70°C Oil
CSA: -50°C to 105°C Dry/75°C Oil
Approvals: UL listed, CSA certified, CE, BABA

TYPE AT
ALL TEMPERATURE

Made in USA

Description: A flexible steel non-UL conduit that uses a jacketing material specifically designed for hot or cold environments. For a UL listed & CSA certified version, see Type ATLA.
Common Applications: Power plants, utilities, steel mills, annealing ovens, lumber kilns, and refrigeration.

Core: Hot Dipped Galvanized Steel
Jacket: High/Low Temp Flexible PVC
Trade Size: 1/2" - 6"
Temp. Range: UL: -55°C to 105°C intermitting to 120°C
Approvals: CE, BABA

TYPE ATX
EXTREME TEMPERATURE

Made in USA

Description: A non-UL conduit designed with a thermoplastic rubber jacket which is virtually unaffected by temperature extremes and contains no halogens.
Common Applications: Boilers, furnaces, sub-zero areas, power plants, utilities, steel mills, and refrigeration.

Core: Hot Dipped Galvanized Steel
Jacket: Flexible TPR (Thermoplastic Rubber)
Trade Size: 3/8" - 4"
Temp. Range: -60°C to 150°C intermitting to 165°C
Approvals: CE, BABA

TYPE VJC
EXTRA FLEXIBLE

Description: This conduit utilizes a vacuum extrusion process that does not restrict the flexibility of the inner steel core. The VJC product is a great fit for static or dynamic applications where either a tight bend diameter or additional flexibility is needed.

Core: Hot Dipped Galvanized Steel
Jacket: Vacuum Jacketed Flexible PVC
Trade Size: 3/8" - 3"
Temp. Range: -20°C to 80°C

TYPE ALT
ALUMINUM LIQUATITE®

Made in USA

Description: Similar to non-UL type LT but weighs considerably less due to the use of a Corrosion-resistant aluminum core instead of steel.
Common Applications: Water treatment plants, water reclamation districts, refineries, pulp and paper mills, and marinas.

Core: Corrosion Resistant Aluminum
Jacket: Flexible PVC
Trade Size: 1/2" - 6"
Temp. Range: -30°C to 80°C Dry / 60°C Wet / 70°C Oil
Approvals: CE, BABA

TYPE ZHLA
HALOGEN-FREE

Made in USA

Description: Non-halogen, low smoke and low flame spread make Type ZHLA a proven choice for applications where limiting toxic materials of combustion are an important issue. Since ZHLA is also UL listed, it is ideal for field installation in confined, public areas such as subways, tunnels, etc.
Common Applications: Subways, tunnels, elevators, data centers, convention centers, stadiums, and hospitals.

Core: Hot Dipped Galvanized Steel
Jacket: Low Smoke Zero-Halogen Thermoplastic
Trade Size: 3/8" - 4"
Temp. Range: UL: -20°C to 105°C Air / 60°C Wet
Approvals: UL listed, CE, BABA

JACKETED METALLIC

TYPE CEA
HALOGEN-FREE

Description: This non-UL liquid-tight flexible conduit is designed for applications where safety concerns exist regarding a material's reaction in a fire situation. It retains the same characteristics and applications as the ZHLA product however it can be used in applications where UL listing is not necessary.

Core: Hot Dipped Galvanized Steel
Jacket: Low Smoke Zero-Halogen Thermoplastic
Trade Size: 3/8" - 6"
Temp. Range: -20°C to 105°C
Approvals: CE, BABA

TYPE LA-SS
STAINLESS STEEL INDUSTRIAL GRADE

Description: A UL-listed, flexible stainless-steel conduit offering excellent protection against corrosion, sunlight (UV), and wet, oily conditions. Ideally suited for industrial-grade installations requiring motion, vibration, and bending.

Core: Corrosion Resistant continuous strip of 316L Stainless Steel
Jacket: Flexible PVC
Trade Size: 1/2" - 2"
Temp. Range: -30ºC to 80ºC Dry / 60°C Wet / 70°C Oil
Approvals: UL listed, CE, BABA

TYPE LAFG-SS
ANTIMICROBIAL FOOD GRADE STAINLESS STEEL

Description: A UL-listed liquid-tight stainless steel flexible conduit that is antimicrobial and is designed for a variety of installations requiring motion, vibration, and bending on food processing equipment. It offers excellent resistance to corrosion.
Common Applications: Food manufacturing and processing plants, pharmaceutical manufacturers, meat and poultry packing facilities.

Core: Corrosion Resistant continuous strip of 316L Stainless Steel
Jacket: FDA Approved Flexible PVC
Trade Size: 1/2" - 2"
Temp. Range: -30°C to 105°C Dry / 60°C Wet / 70°C
Approvals: UL listed, FDA Approved Jacketing Material, NSF Certified, CE, BABA

TYPE ZHLA-SS
STAINLESS STEEL HALOGEN-FREE

Description: This UL-listed, liquid-tight stainless steel flexible conduit offers excellent corrosion-resistance and is designed for applications where safety concerns exist regarding a material's reaction in a fire situation. Type ZHLA-SS is low-smoke, zero-halogen, providing a low fire hazard solution for environments requiring limited toxic material release, such as subways, tunnels, and public spaces.

Core: Corrosion Resistant continuous strip of 316L Stainless Steel
Jacket: Low Smoke Zero-Halogen Thermoplastic
Trade Size: 1/2" – 2"
Temp. Range: -20°C to 105°C Air / 60°C Wet
Approvals: UL listed, CE, BABA

TYPE ATX-SS
STAINLESS STEEL EXTREME TEMPERATURE

Description: This non-UL liquid-tight flexible stainless steel conduit is designed to withstand an extreme temperature range. It offers excellent resistance to corrosion.
Common Applications: Defense, Oil & Gas Refineries, Power Plants, Ship Building, Steel Mills, Wastewater Treatment

Core: Corrosion Resistant continuous strip of 316L Stainless Steel
Jacket: Flexible TPR (Thermoplastic Rubber)
Trade Size: 1/2" - 2"
Temp. Range: -60°C to 150°C Intermitting to 165°C
Approvals: CE, BABA

TYPE ATLA-SS
STAINLESS STEEL ALL TEMPERATURE

Description: A UL-listed liquid-tight stainless steel flexible conduit that is designed specifically for hot or cold environments and provides excellent corrosion-resistance. The specially formulated PVC jacket remains flexible at low temperatures and resists aging at elevated temperatures.

Core: Corrosion Resistant continuous strip of 316L Stainless Steel
Jacket: Flexible PVC
Trade Size: 1/2" - 2"
Temp. Range: -55°C to 105°C Dry/60°C Wet/ 70°C Oil
Approvals: UL listed, CE, BABA

JACKETED METALLIC APPLICATION GUIDE

● yes ● yes/limited ★ exceeds HDG = Hot Dipped Galvanized

Conduit Type	Dynamic Flexing	Metal Used	Plastic Used	High Mech. Strength	Listed for Direct Burial	Low Smoke Zero Halogen	Self-Extinguishing	Sunlight/ UV Resistant	EMI/RFI Shielding	Approval: Standard	Approval: Food Grade	Approval: CSA Heavy Duty	Approval: Additional
LA	●	HDG Steel	PVC	●	●		●	★	basic	UL, SP		SP	CE, BABA
LT	●	HDG Steel	PVC					●					CE, BABA
LAFG	●	HDG Steel	PVC	●	●		●	●	basic	UL, SP	NSF	SP	CE, BABA
EF	●	HDG Steel	PVC					●					CE, BABA
CBLA	●	HDG Steel	PVC	●	●		●	●	basic	UL, SP		SP	CE, BABA
CSA	●	HDG Steel	PVC	●	●		●	●		SP		SP	CE, BABA
ATLA	●	HDG Steel	PVC	●	●		●	●	basic	UL, SP		SP	CE, BABA
AT	●	HDG Steel	PVC					●					CE, BABA
ATX	●	HDG Steel	TPR			● (only ZH)		●					CE, BABA
VJC	●	HDG Steel	PVC					●					
ALT	●	Aluminum	PVC					●					CE, BABA
ZHLA		HDG Steel	LSZH	●	●	●	●	●	basic	UL			CE, BABA
CEA	●	HDG Steel	LSZH			●		●					CE, BABA
LA-SS		316 Stainless Steel	PVC	●	●		●	★		UL			CE, BABA
LAFG-SS		316 Stainless Steel	PVC	●	●		●	●		UL	NSF		CE, BABA
ZHLA-SS		316 Stainless Steel	LSZH	●	●	●	●	●		UL			CE, BABA
ATX-SS		316 Stainless Steel	TPR			● (only ZH)		●					CE, BABA
ATLA-SS		316 Stainless Steel	PVC	●	●		●	●		UL			CE, BABA

Plastic Used Guide: LSZH = Low Smoke Zero Halogen TPR = Thermoplastic Rubber PVC = Polyvinyl Chloride

EMI/RFI SHIELDED

TYPE SLA
GOOD SHIELDING

Made in USA

Description: Type SLA is identical to standard UL listed liquid-tight flexible steel conduit, but is augmented with a tinned copper shielding braid underneath its protective PVC jacket. The braid offers a minimum of 90% coverage.
Common Applications: Military and defense industries, medical equipment and surrounding areas, shipbuilding, and in wireless communications.

Core: Hot Dipped Galvanized Steel
Jacket: Flexible PVC
Trade Size: 3/8" - 2"
Temp. Range: -30°C to 80°C Dry/60°C Wet/70°C Oil
Approvals: UL listed, CE, BABA

TYPE HFSLA
GOOD HALOGEN-FREE SHIELDING

Made in USA

Description: Type HFSLA is identical to standard UL Listed liquid-tight flexible steel conduit (See Type LA) but is augmented with a tinned copper shielding braid located over the inner steel core and under its protective Low Smoke Zero-Halogen Thermoplastic jacket.
Common Applications: Military and defense industries, medical equipment and surrounding areas, shipbuilding, and in wireless communications.

Core: Hot Dipped Galvanized Steel
Jacket: Low Smoke Zero-Halogen Thermoplastic
Trade Size: 3/8" - 2"
Temp. Range: -40°C to 105°C Air / 60°C Wet / 70°C Oil
Approvals: UL listed, CE, BABA

TYPE EMS
BETTER SHIELDING

Made in USA

Description: Type EMS has an inner core made from a fully interlocked bronze strip and does not contain a braided shield. The bronze is more conductive than the steel core of the SLA product and thus provides better shielding effectiveness.

Core: Bronze
Jacket: Flexible PVC
Trade Size: 3/8" - 4"
Temp. Range: -55°C to 105°C
Approvals: CE, BABA

TYPE HFEMS
BETTER HALOGEN-FREE SHIELDING

Made in USA

Description: Type HFEMS liquid-tight flexible shielding conduit is designed for field installations where safety concerns exist regarding a material's reaction in a fire situation. Its jacketing is made of a protective Low Smoke Zero-Halogen Thermoplastic.

Core: Bronze
Jacket: Low Smoke Zero-Halogen Thermoplastic
Trade Size: 3/8" – 4"
Temp. Range: -20°C to 105°C
Approvals: CE, BABA

TYPE EMCS
BEST SHIELDING

Made in USA

Description: Type EMCS is a hybrid of SLA and EMS. It utilizes the same bronze core and PVC jacket as EMS, but gets further screening protection from a tinned copper braid as found in the SLA product.

Core: Bronze
Jacket: Flexible PVC
Trade Size: 3/8" - 2"
Temp. Range: UL: -55°C to 105°C
Approvals: CE, BABA

TYPE HFEMCS
BEST HALOGEN-FREE SHIELDING

Made in USA

Description: Type HFEMCS is a hybrid of HFSLA and HFEMS. It utilizes the same bronze core and Low Smoke Zero-Halogen Thermoplastic jacket as HFEMS but gets further screening protection from a tinned copper braid as found in the HFSLA product.

Core: Bronze
Jacket: Low Smoke Zero-Halogen Thermoplastic
Trade Size: 3/8" – 2"
Temp. Range: -20°C to 105°C
Approvals: CE, BABA

EMI/RFI SHIELDED APPLICATION GUIDE

● yes ● yes/limited ★ exceeds HDG = Hot Dipped Galvanized

	Conduit Type	Dynamic Flexing	Metal Used	Plastic Used	High Mech. Strength	Listed for Direct Burial	Low Smoke Zero Halogen	Self-Extinguishing	Sunlight/ UV Resistant	EMI/RFI Shielding	Approval: Standard	Approval: Food Grade	Approval: CSA Heavy Duty	Approval: Additional
	SLA		HDG Steel	PVC	●	●		●	●	good	UL			CE BABA
	HFSLA		HDG Steel	LSZH	●	●	●	●	●	good	UL			CE BABA
	EMS		Bronze	PVC					●	better				CE BABA
	HFEMS		Bronze	LSZH			●		●	better				CE BABA
	EMCS		Bronze	PVC					●	best				CE BABA
	HFEMCS		Bronze	LSZH			●		●	best				CE BABA

Plastic Used Guide: LSZH = Low Smoke Zero Halogen TPR = Thermoplastic Rubber PVC = Polyvinyl Chloride

UNJACKETED METALLIC

TYPE BR
REDUCED WALL STEEL

Made in USA

Description: This flexible steel "Blue Ribbon" (BR) conduit has many universal wiring applications. It is often referred to as "Greenfield" or "Reduced Wall Flex".

Metal Used: Hot Dipped Galvanized Steel
Trade Size: 3/8" - 4"
Approvals: UL listed (3/8" - 3"), CSA certified (3/8" only), CE, BABA

TYPE ABR
REDUCED WALL ALUMINUM

Made in USA

Description: This flexible aluminum "Blue Ribbon" (ABR) conduit has many universal wiring applications. It is often referred to as "Greenfield" or "Reduced Wall Flex".

Metal Used: High Strength Aluminum Alloy
Trade Size: 3/8" - 4"
Approvals: UL listed (3/8" & 1/2" - 3")
CSA certified (3/8" & 7/16" only), CE, BABA

TYPE ABRH
HEAVY WALL ALUMINUM

Made in USA

Description: This CSA certified flexible aluminum conduit has many universal wiring applications. It has a heavier aluminum wall than our standard ABR thus providing greater crush resistance and mechanical strength.

Metal Used: High Strength Aluminum Alloy
Trade Size: 3/8" - 4"
Approvals: UL listed (1/2" - 4" only), CSA certified, CE

TYPE USL
EXTRA FLEXIBLE

Made in USA

Description: This extra-flexible steel conduit is recognized by UL and CSA for use within listed and certified assemblies.
Common Applications: Modular office partitions, showcase lighting, security, and anywhere that additional flexibility is needed.

Metal Used: Hot Dipped Galvanized Steel
Trade Size: 5/16" - 3/4"
Approvals: UL Recognized, BABA

TYPE SL
EXTRA FLEXIBLE

Made in USA

Description: This non-UL, extra-flexible product, available in the smaller diameters, is designed for tight-spot installation and where continuous flexing is required of a steel-wound hose.
Common Applications: Offers good mechanical protection in a variety of OEM and security applications where extra flexibility is needed from an unjacketed product.

Metal Used: Hot Dipped Galvanized Steel
Size Range: 3/16" - 1"
Approvals: BABA

FLEXIBLE WHIPS

Made in USA

METAL PRE-ASSEMBLED WHIPS

Description: Flexible metal pre-assembled whips, used for lighting fixture installation, as well as many other electrical equipment uses, are available from Electri-Flex. They come pre-wired with 12, 14, or 18 AWG wires and utilize UL listed conduit and connectors. Please contact the factory or your agent for available options.

UNJACKETED METALLIC APPLICATION GUIDE

● yes ● yes/limited ★ exceeds HDG = Hot Dipped Galvanized

	Conduit Type	Dynamic Flexing	Metal Used	Plastic Used	High Mech. Strength	Listed for Direct Burial	Low Smoke Zero Halogen	Self-Extinguishing	Sunlight/ UV Resistant	EMI/RFI Shielding	Approval: Standard	Approval: Food Grade	Approval: CSA Heavy Duty	Approval: Additional
	BR		HDG Steel								UL, SP			CE, BABA
	ABR		Aluminum								UL, SP			CE, BABA
	ABRH		Aluminum								UL, SP			CE
	USL		HDG Steel								UL			BABA
	SL		HDG Steel											BABA

NONMETALLIC

TYPE LNMP

TYPE A NONMETALLIC

Made in USA

Description: This UL listed (cULus) listed nonmetallic liquid-tight conduit is ideally suited for continuous flexing situations. It is often specified in "Power Track" or cable carrier installations and on industrial robots. It does not contain a metal core which could fatigue from repeated flexing or vibration.
Common Applications: Machine Tool (OEM), Mining, Power Plants, Robotics

Plastic Used: Flexible PVC
Size Range: 3/8" - 2"
Temp. Range: -55°C to 105°C Dry/60°C Wet/70°C Oil
UL/CSA: -18°C to 105°C Dry/60°C Wet/70°C Oil
Approvals: UL listed (cULus), BABA

TYPE LNMP

FOOD GRADE TYPE A NONMETALLIC

Made in USA

Description: This Food Grade UL listed (cULus) nonmetallic liquid-tight blue conduit is antimicrobial and is designed for a variety of installations regarding motion, vibration, and bending on food processing equipment.
Common Applications: Food processing equipment and continuous flexing applications

Plastic Used: FDA Approved Flexible PVC
Size Range: : 1/2" – 2"
Temp. Range: -37°C to 105°C Dry/60°C Wet/70°C Oil
UL/CSA: -18°C to 105°C Dry/60°C Wet/70°C Oil
Approvals: UL listed (cULus), FDA Approved Jacketing Material, NSF Certified, BABA

TYPE NM

TYPE B NONMETALLIC

Made in USA

Description: A general purpose liquid-tight conduit offering excellent protection to wiring from abrasion, sunlight, mild acids, alkaline and oils. For a higher temperature version, see Type NMHT.
Common Applications: It is often used for air conditioning hookups and other outdoor applications.

Plastic Used: Flexible PVC
Size Range: 3/8" - 2"
Temp. Range: -20°C to 80°C Dry/60°C Wet/70°C Oil
Approvals: UL listed, CSA certified, BABA

TYPE NMHT

HIGH TEMP

Made in USA

Description: This version of Type NM is designed to withstand high-temperature environments. NMHT can be used to contain conductors having insulation materials with higher temperature ratings.

Plastic Used: High Temp Flexible PVC
Size Range: 3/8" - 2"
Temp. Range: -20°C to 105°C Dry/60°C Wet/70°C Oil
Approvals: UL listed, CSA certified, BABA

TYPE NMFG

NONMETALLIC FOOD GRADE

Made in USA

Description: A Food Grade nonmetallic liquid-tight conduit offering excellent protection to wiring from abrasion, sunlight, mild acids, alkaline and oils.
Common Applications: Food manufacturing and processing plants, pharmaceutical manufacturers, meat and poultry packing facilities.

Plastic Used: FDA Approved Flexible PVC
Size Range: 3/8" - 2"
Temp. Range: -20°C to 80°C Dry/60°C Wet/70°C Oil
Approvals: UL listed, CSA certified, NSF certified, BABA

TYPE NM2

EXTRA FLEXIBLE

Made in USA

Description: Type NM2 is an extra-flexible, liquid-tight tubing that cuts easily and installs quickly. The thin PVC skin allows for greater movement and the spiral of rigid PVC adds a level of mechanical strength making it an ideal product for many OEM applications.

Plastic Used: Flexible PVC
Size Range: 1/4" - 2"
Temp. Range: -20°C to 70°C
Approvals: UL recognized, CSA certified, BABA

NMLT AND NMSC CONNECTORS

NONMETALLIC TYPE B CONNECTORS

Description: Type NMLT and NMSC nonmetallic connectors are intended to be used with liquid-tight nonmetallic Type B (NM, NMHT, NMFG, and NM2). Available in straight and 90° fittings. The NMLT fitting is a two piece compression fitting and the NMSC is a one piece screw on connector.

Material Used: NMLT is Nylon 6, NMSC is Flexible PVC
Size Range: NMLT is available in 3/8" – 2",
NMSC available in 1/2" & 3/4"
Approvals: UL listed (cULus)

NONMETALLIC WHIPS

Made in USA

A/C WHIPS

Description: Nonmetallic Whips consist of UL listed flexible nonmetallic conduit, one nonmetallic straight connector and one nonmetallic 90º connector.
Common Applications: Air Conditioner, Pool and Sauna installations.

Plastic Used: Flexible PVC
Trade Size: 1/2" & 3/4"
Temp Range: -20°C to 80°C Dry/60°C Wet/70°C Oil
Approvals: UL listed

NONMETALLIC APPLICATION GUIDE

● yes ● yes/limited ★ exceeds HDG = Hot Dipped Galvanized

	Conduit Type	Dynamic Flexing	Metal Used	Plastic Used	High Mech. Strength	Listed for Direct Burial	Low Smoke Zero Halogen	Self-Extinguishing	Sunlight/ UV Resistant	EMI/RFI Shielding	Approval: Standard	Approval: Food Grade	Approval: CSA Heavy Duty	Approval: Additional
	LNMP	●	--------	PVC				●	●		c UL us LISTED			BABA
	LNMP Food Grade	●	--------	PVC				●	●		c UL us LISTED	NSF		BABA
	NM	●	--------	PVC		●		●	●		UL, SP			BABA
	NMHT	●	--------	PVC		●		●	●		UL, SP			BABA
	NMFG	●	--------	PVC				●	●		UL, SP	NSF		BABA
	NM2	●	--------	PVC					●		UL, SP			BABA

Plastic Used Guide: LSZH = Low Smoke Zero Halogen TPR = Thermoplastic Rubber PVC = Polyvinyl Chloride

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Electri-Flex provides expert design support to deliver custom solutions for virtually any installation. With top-quality, U.S.-made conduit crafted from domestically sourced materials, we're built to meet your toughest design challenges. No matter the design challenge, we're flexible.

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