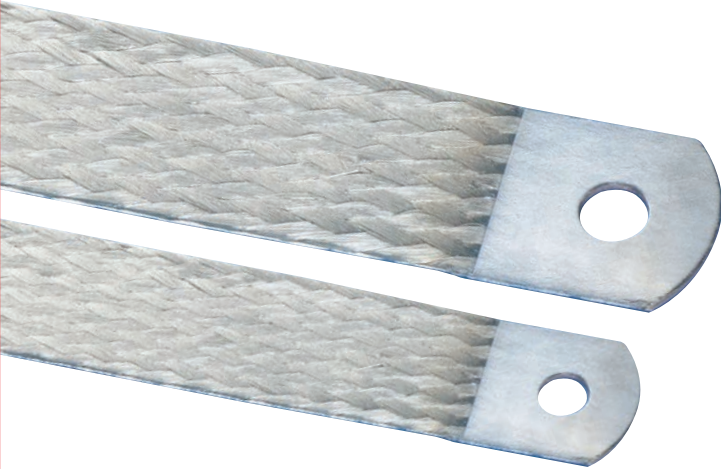


Grounding and Bonding Tinned Copper Braids (MBJ & BJ)



Innovative, state-of-the-art manufacturing process

nVent ERIFLEX manufacturing directly the palms of the MBJ tinned-plated braids. This manufacturing process provides an effective electrical contact, due to the integral palms, without the addition of tin or crimped lugs.

This process welds the flexible braid and brings back a solid tinned or red copper block as a palm. Unlike the traditional press-welded palms process. nVent ERIFLEX's process is suitable for red copper, but also for tin plated copper. The electrical contact between each wire is optimized.

This nVent ERIFLEX process also helps eliminate moisture issues in the palms. By using crimped lugs in a severe environment, moisture can enter in the lug (often by capillarity) and create corrosion between each wire. After several years, the electrical contact between each wire can deteriorate and alter the electrical conductivity of the equipment. The corrosion in the palm is impossible to remove without changing the element.

This process produces RoHS products; no additional substances are added to the tinned-plated wires during the manufacturing process.

BJ

Round braids with crimped lugs



Part No.	Description	Section mm	L mm	Ø D mm	Intensity A		 Kg
556900	BJ 6-150 S	6	150	6.5	45	10	0.010
556910	BJ 6-200 S	6	200	6.5	45	10	0.015
556920	BJ 10-300 S	10	300	6.5	75	10	0.033

Tinned Copper Earth/Ground Braids Technical Features

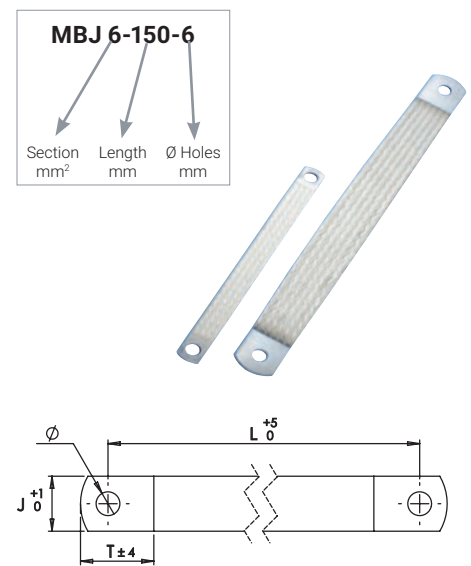
With integral palm

- A complete range of earth/ground flexible connections from 6 to 100 mm² section and from 100 to 500 mm length
- Strong resistance to vibration and fatigue
- Reliable: No extra contact due to the lugs crimped at the ends of the cable
- Weight savings: A flat braid weighs less than a cable (with insulation) and lugs and offers better copper usage (skin effect)
- Integral palm, without tin or crimped lugs for superior electrical contact and tensile strength resistance
- Quick and easy to install: Ready to use, No cutting, stripping, crimping or punching. Less labor time for installation
- Material savings: no lugs or terminals
- Recommended by the EMC/EMI directives and less impedance than cables



GROUNDING AND BONDING TINNED COPPER BRAIDS (MBJ & BJ) TECHNICAL CHARACTERISTICS

Part Number	Description	Intensity A	Thickness mm	Section mm ²	L mm	Ø mm	J mm	T mm		Kg
556600	MBJ 6-150-6	40	1.1	6	150	6.5	11	18	10	0.01
563410	MBJ 6-200-6	40	1.1	6	200	6.5	11	18	10	0.0167
556930	MBJ 10-200-6	75	1.1	10	200	6.5	11	18	10	0.022
556610	MBJ 10-300-6	75	1.1	10	300	6.5	11	18	10	0.033
563540	MBJ 16-100-6	120	1.5	16	100	6.5	15	20	10	0.018
556620	MBJ 16-100-8	120	1.5	16	100	8.5	15	20	10	0.018
563550	MBJ 16-150-6	120	1.5	16	150	6.5	15	20	10	0.035
556630	MBJ 16-150-8	120	1.5	16	150	8.5	15	20	10	0.035
563300	MBJ 16-200-6	120	1.5	16	200	6.5	15	20	10	0.033
556640	MBJ 16-200-8	120	1.5	16	200	8.5	15	20	10	0.033
556650	MBJ 16-250-8	120	1.5	16	250	8.5	15	20	10	0.04
563320	MBJ 16-300-6	120	1.5	16	300	6.5	15	20	10	0.05
556660	MBJ 16-300-8	120	1.5	16	300	8.5	15	20	10	0.05
556940	MBJ 16-500-8	120	1.5	16	500	8.5	15	20	10	0.082
556670	MBJ 25-100-10	150	1.9	25	100	10.5	20	28	10	0.027
556680	MBJ 25-150-10	150	1.9	25	150	10.5	20	28	10	0.039
563340	MBJ 25-200-6	150	1.9	25	200	6.5	20	28	10	0.052
556690	MBJ 25-200-10	150	1.9	25	200	10.5	20	28	10	0.052
563430	MBJ 25-200-12	150	1.9	25	200	12.5	20	28	10	0.052
556700	MBJ 25-250-10	150	1.9	25	250	10.5	20	28	10	0.064
556710	MBJ 25-300-10	150	1.9	25	300	10.5	20	28	10	0.077
556950	MBJ 25-500-10	150	1.9	25	500	10.5	20	28	10	0.13
556720	MBJ 30-100-10	180	2	30	100	10.5	22	28	10	0.032
556730	MBJ 30-150-10	180	2	30	150	10.5	22	28	10	0.047
556740	MBJ 30-200-10	180	2	30	200	10.5	22	28	10	0.062
556750	MBJ 30-250-10	180	2	30	250	10.5	22	28	10	0.075
556760	MBJ 30-300-10	180	2	30	300	10.5	22	28	10	0.092
556960	MBJ 30-500-10	180	2	30	500	10.5	22	28	10	0.155
556770	MBJ 35-100-10	197	2.1	35	100	10.5	22	28	10	0.037
556780	MBJ 35-150-10	197	2.1	35	150	10.5	22	28	10	0.054
556790	MBJ 35-200-10	197	2.1	35	200	10.5	22	28	10	0.072
556800	MBJ 35-250-10	197	2.1	35	250	10.5	22	28	10	0.089
565000	MBJ 35-250-25	197	3	35	250	25.5	40	45	10	0.089
556810	MBJ 35-300-10	197	2.1	35	300	10.5	22	28	10	0.11
556970	MBJ 35-500-10	197	2.1	35	500	10.5	22	28	10	0.18
556820	MBJ 50-100-10	250	2.5	50	100	10.5	28	33	10	0.052
556830	MBJ 50-150-10	250	2.5	50	150	10.5	28	33	10	0.077
563350	MBJ 50-200-6	250	2.5	50	200	6.5	28	33	10	0.12
556840	MBJ 50-200-10	250	2.5	50	200	10.5	28	33	10	0.12
563440	MBJ 50-200-12	250	2.5	50	200	12.5	28	33	10	0.12
563360	MBJ 50-200-16	250	2.5	50	200	16.5	28	33	10	0.11
563370	MBJ 50-200-18	250	2.5	50	200	18.5	28	33	10	0.11
556850	MBJ 50-250-10	250	2.5	50	250	10.5	28	33	10	0.127
563380	MBJ 50-300-6	250	2.5	50	300	6.5	28	33	10	0.15
556860	MBJ 50-300-10	250	2.5	50	300	10.5	28	33	10	0.153
563390	MBJ 50-300-16	250	2.5	50	300	16.5	28	33	10	0.15
563400	MBJ 50-300-18	250	2.5	50	300	18.5	28	33	10	0.14
556980	MBJ 50-500-10	250	2.5	50	500	10.5	28	33	10	0.255
563560	MBJ 50-500-12	250	2.5	50	500	12.5	28	33	10	0.255
563450	MBJ 70-300-6	290	3.4	70	300	6.5	28	33	10	0.21
563460	MBJ 70-300-10	290	3.4	70	300	10.5	28	33	10	0.21
563420	MBJ 70-300-12	290	3.4	70	300	12.5	28	33	10	0.21
563470	MBJ 70-300-16	290	3.4	70	300	16.5	28	33	10	0.2
563480	MBJ 70-300-22	290	3	70	300	22.5	40	45	10	0.2
563490	MBJ 70-500-10	290	3.4	70	500	10.5	28	33	10	0.34
563500	MBJ 100-250-16	349	4	100	250	16.5	40	55	10	0.254
563510	MBJ 100-250-30	349	4	100	250	30.5	40	55	10	0.254
563520	MBJ 100-500-16	349	4	100	500	16.5	40	55	10	0.508
563530	MBJ 100-500-30	349	4	100	500	30.5	40	55	10	0.508



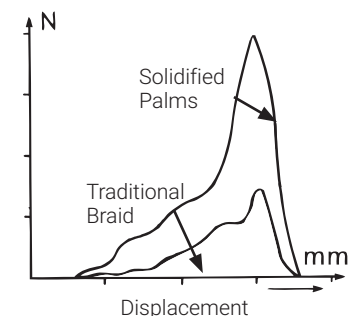
Technical Data

- Recommended by EMC/EMI directives
- Flat tinned copper braids
- Electrolytic copper Cu-ETP according to standard EN13602
- Copper purity of minimum 99,9%
- Maximum resistivity of 0,017241 mm²/m at 20°C
- Standard wire diameter; 0,15 mm
- Bends very close to the contact area

Certification & Approvals

- UL Listed (UL467) except BJ
- EAC certificate
- RoHS 2002/95/EC Compliant
- IEC 61439-1

Comparison of tensile strength



Nominal clamping force

