

MBJ Grounding and Bonding Braid, Tinned Copper



MBJ Grounding and Bonding Braids are a reliable and convenient grounding solution for applications that require flexibility and durability. The tinned copper ground braids with massivated palms come ready to install without any additional cutting, stripping, crimping or punching and do not require the addition of tin or crimped lugs. The proprietary manufacturing process optimizes the electrical contact between each wire and helps eliminate moisture issues in the palms, preventing corrosion and lengthening the useful life of the braid.

CERTIFICATIONS



FEATURES

Complete range of earth/ground flexible connections from 6 - 100 mm² (11.84 - 197.35 kcmil) cross section and from 100 - 500 mm (3.937" - 19.685") length

Integral palm, without tin or crimped lugs for superior electrical contact and tensile strength resistance

Resistant to vibration and fatigue, reducing maintenance

Provides weight savings, material savings and lower impedance when compared to similar lugged cables with insulation

Ready to use out of the box, eliminates the need for cutting, stripping, crimping and punching

Quick and easy to install

Recommended by the EMC/EMI directives and less impedance than cables

EAC compliant

RoHS compliant

Compliant to ISO 6469-1 (Electrically propelled road vehicles - Part 1: Rechargeable energy storage system) - Section 6.2.2 Vibrations

SPECIFICATIONS

Material: Copper

Complies With: IEC® 60439.1; IEC® 61439.1
Finish: Tinned
Certification Details: UL® 467
Working Temperature: 221 °F Max

Table 1/2

Catalog Number	Article Number	Ampacity	Thickness (T)	Cross Section	Length (L)	Hole Size (HS)
MBJ6-150-6	556600	40A	0.04"	11.84kcmil	5.91"	0.26"
MBJ6-200-6	563410	40A	0.04"	11.84kcmil	7.87"	0.26"
MBJ10-200-6	556930	75A	0.04"	19.74kcmil	7.87"	0.26"
MBJ16-100-6	563540	120A	0.06"	31.57kcmil	3.94"	0.26"
MBJ16-100-8	556620	120A	0.06"	31.57kcmil	3.94"	0.34"
MBJ10-300-6	556610	75A	0.04"	19.74kcmil	11.81"	0.26"
MBJ16-200-6	563300	120A	0.06"	31.57kcmil	7.87"	0.26"
MBJ16-200-8	556640	120A	0.06"	31.57kcmil	7.87"	0.34"
MBJ25-100-10	556670	150A	0.07"	49.34kcmil	3.94"	0.41"
MBJ30-100-10	556720	180A	0.08"	59.2kcmil	3.94"	0.41"
MBJ16-150-6	563550	120A	0.06"	31.57kcmil	5.91"	0.26"
MBJ16-150-8	556630	120A	0.06"	31.57kcmil	5.91"	0.34"
MBJ16-250-8	556650	120A	0.06"	31.57kcmil	9.84"	0.34"
MBJ25-150-10	556680	150A	0.07"	49.34kcmil	5.91"	0.41"
MBJ35-100-10	556770	197A	0.08"	69.07kcmil	3.94"	0.41"

CatalogNumber	Article Number	Ampacity	Thickness (T)	Cross Section	Length (L)	Hole Size (HS)
MBJ16-300-6	563320	120A	0.06"	31.57kcmil	11.81"	0.26"
MBJ16-300-8	556660	120A	0.06"	31.57kcmil	11.81"	0.34"
MBJ25-200-10	556690	150A	0.07"	49.34kcmil	7.87"	0.41"
MBJ25-200-12	563430	150A	0.07"	49.34kcmil	7.87"	0.49"
MBJ25-200-6	563340	150A	0.07"	49.34kcmil	7.87"	0.26"
MBJ25-200-8	555200	150A	0.07"	49.34kcmil	7.87"	0.34"
MBJ30-150-10	556730	180A	0.08"	59.2kcmil	5.91"	0.41"
MBJ35-150-10	556780	197A	0.08"	69.07kcmil	5.91"	0.41"
MBJ50-100-10	556820	250A	0.1"	98.68kcmil	3.94"	0.41"
MBJ16-500-8	556940	120A	0.06"	31.57kcmil	19.68"	0.34"
MBJ25-250-10	556700	150A	0.07"	49.34kcmil	9.84"	0.41"
MBJ30-200-10	556740	180A	0.08"	59.2kcmil	7.87"	0.41"
MBJ25-300-10	556710	150A	0.07"	49.34kcmil	11.81"	0.41"
MBJ25-300-8	555201	150A	0.07"	49.34kcmil	11.81"	0.34"
MBJ25-500-10	556950	150A	0.07"	49.34kcmil	19.68"	0.41"
MBJ30-250-10	556750	180A	0.08"	59.2kcmil	9.84"	0.41"
MBJ35-200-10	556790	197A	0.08"	69.07kcmil	7.87"	0.41"
MBJ30-300-10	556760	180A	0.08"	59.2kcmil	11.81"	0.41"

CatalogNumber	Article Number	Ampacity	Thickness (T)	Cross Section	Length (L)	Hole Size (HS)
MBJ30-500-10	556960	180A	0.08"	59.2kcmil	19.68"	0.41"
MBJ35-250-10	556800	197A	0.08"	69.07kcmil	9.84"	0.41"
MBJ35-300-10	556810	197A	0.08"	69.07kcmil	11.81"	0.41"
MBJ35-500-10	556970	197A	0.08"	69.07kcmil	19.68"	0.41"
MBJ50-150-10	556830	250A	0.1"	98.68kcmil	5.91"	0.41"
MBJ35-250-25	565000	197A	0.12"	69.07kcmil	9.84"	1"
MBJ50-200-10	556840	250A	0.1"	98.68kcmil	7.87"	0.41"
MBJ50-200-12	563440	250A	0.1"	98.68kcmil	7.87"	0.49"
MBJ50-200-16	563360	250A	0.1"	98.68kcmil	7.87"	0.65"
MBJ50-200-18	563370	250A	0.1"	98.68kcmil	7.87"	0.73"
MBJ50-200-6	563350	250A	0.1"	98.68kcmil	7.87"	0.26"
MBJ50-250-10	556850	250A	0.1"	98.68kcmil	9.84"	0.41"
MBJ50-300-10	556860	250A	0.1"	98.68kcmil	11.81"	0.41"
MBJ50-300-16	563390	250A	0.1"	98.68kcmil	11.81"	0.65"
MBJ50-300-18	563400	250A	0.1"	98.68kcmil	11.81"	0.73"
MBJ50-300-6	563380	250A	0.1"	98.68kcmil	11.81"	0.26"
MBJ50-500-10	556980	250A	0.1"	98.68kcmil	19.68"	0.41"
MBJ50-500-12	563560	250A	0.1"	98.68kcmil	19.68"	0.49"

CatalogNumber	Article Number	Ampacity	Thickness (T)	Cross Section	Length (L)	Hole Size (HS)
MBJ70-300-22	563480	290A	0.12"	138.15kcmil	11.81"	0.89"
MBJ70-300-10	563460	290A	0.13"	138.15kcmil	11.81"	0.41"
MBJ70-300-12	563420	290A	0.13"	138.15kcmil	11.81"	0.49"
MBJ70-300-16	563470	290A	0.13"	138.15kcmil	11.81"	0.65"
MBJ70-300-6	563450	290A	0.13"	138.15kcmil	11.81"	0.26"
MBJ70-500-10	563490	290A	0.13"	138.15kcmil	19.68"	0.41"
MBJ100-250-16	563500	349A	0.16"	197.35kcmil	9.84"	0.65"
MBJ100-250-30	563510	349A	0.16"	197.35kcmil	9.84"	1.2"
MBJ100-500-16	563520	349A	0.16"	197.35kcmil	19.68"	0.65"
MBJ100-500-30	563530	349A	0.16"	197.35kcmil	19.68"	1.2"

Table 2/2

Catalog Number	Article Number	A	B	Unit Weight	Certifications
MBJ6-150-6	556600	0.43"	0.71"	0.02 lb	UL, CE, ERIFLEX MBJ, Bureau Veritas, RoHS, cUL, UKCA, ERIFLEX MBJ
MBJ6-200-6	563410	0.43"	0.71"	0.04 lb	UKCA, ERIFLEX MBJ, RoHS, UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL
MBJ10-200-6	556930	0.43"	0.71"	0.05 lb	RoHS, UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL, UKCA, ERIFLEX MBJ

Catalog Number	Article Number	A	B	Unit Weight	Certifications
MBJ16-100-6	563540	0.59"	0.79"	0.04 lb	RoHS, UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL, UKCA, ERIFLEX MBJ
MBJ16-100-8	556620	0.59"	0.79"	0.04 lb	UKCA, ERIFLEX MBJ, UL, CE, ERIFLEX MBJ, Bureau Veritas, RoHS, cUL
MBJ10-300-6	556610	0.43"	0.71"	0.07 lb	UKCA, ERIFLEX MBJ, UL, CE, ERIFLEX MBJ, Bureau Veritas, RoHS, cUL
MBJ16-200-6	563300	0.59"	0.79"	0.07 lb	UKCA, ERIFLEX MBJ, UL, CE, ERIFLEX MBJ, Bureau Veritas, RoHS, cUL
MBJ16-200-8	556640	0.59"	0.79"	0.07 lb	cUL, UL, CE, ERIFLEX MBJ, Bureau Veritas, UKCA, ERIFLEX MBJ, RoHS
MBJ25-100-10	556670	0.79"	1.1"	0.06 lb	UKCA, ERIFLEX MBJ, UL, CE, ERIFLEX MBJ, Bureau Veritas, RoHS, cUL
MBJ30-100-10	556720	0.87"	1.1"	0.07 lb	UL, CE, ERIFLEX MBJ, Bureau Veritas, RoHS, cUL, UKCA, ERIFLEX MBJ
MBJ16-150-6	563550	0.59"	0.79"	0.08 lb	cUL, UL, CE, ERIFLEX MBJ, Bureau Veritas, UKCA, ERIFLEX MBJ, RoHS
MBJ16-150-8	556630	0.59"	0.79"	0.08 lb	RoHS, UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL, UKCA, ERIFLEX MBJ

Catalog Number	Article Number	A	B	Unit Weight	Certifications
MBJ16-250-8	556650	0.59"	0.79"	0.09 lb	RoHS, UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL, UKCA, ERIFLEX MBJ
MBJ25-150-10	556680	0.79"	1.1"	0.09 lb	cUL, UL, CE, ERIFLEX MBJ, Bureau Veritas, UKCA, ERIFLEX MBJ, RoHS
MBJ35-100-10	556770	0.87"	1.1"	0.08 lb	UL, CE, ERIFLEX MBJ, Bureau Veritas, RoHS, cUL, UKCA, ERIFLEX MBJ
MBJ16-300-6	563320	0.59"	0.79"	0.11 lb	UKCA, ERIFLEX MBJ, UL, CE, ERIFLEX MBJ, Bureau Veritas, RoHS, cUL
MBJ16-300-8	556660	0.59"	0.79"	0.11 lb	cUL, UL, CE, ERIFLEX MBJ, Bureau Veritas, UKCA, ERIFLEX MBJ, RoHS
MBJ25-200-10	556690	0.79"	1.1"	0.11 lb	RoHS, UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL, UKCA, ERIFLEX MBJ
MBJ25-200-12	563430	0.79"	1.1"	0.11 lb	UKCA, ERIFLEX MBJ, UL, CE, ERIFLEX MBJ, Bureau Veritas, RoHS, cUL
MBJ25-200-6	563340	0.79"	1.1"	0.11 lb	cUL, UL, CE, ERIFLEX MBJ, Bureau Veritas, UKCA, ERIFLEX MBJ, RoHS
MBJ25-200-8	555200	0.79"	1.1"	0.11 lb	UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL

Catalog Number	Article Number	A	B	Unit Weight	Certifications
MBJ30-150-10	556730	0.87"	1.1"	0.1 lb	UKCA, ERIFLEX MBJ, RoHS, UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL
MBJ35-150-10	556780	0.87"	1.1"	0.12 lb	UKCA, ERIFLEX MBJ, RoHS, UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL
MBJ50-100-10	556820	1.1"	1.3"	0.11 lb	UKCA, ERIFLEX MBJ, RoHS, UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL
MBJ16-500-8	556940	0.59"	0.79"	0.18 lb	RoHS, UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL, UKCA, ERIFLEX MBJ
MBJ25-250-10	556700	0.79"	1.1"	0.14 lb	cUL, UL, CE, ERIFLEX MBJ, Bureau Veritas, RoHS, UKCA, ERIFLEX MBJ
MBJ30-200-10	556740	0.87"	1.1"	0.14 lb	cUL, RoHS, UKCA, ERIFLEX MBJ, UL, CE, ERIFLEX MBJ, Bureau Veritas
MBJ25-300-10	556710	0.79"	1.1"	0.17 lb	UKCA, ERIFLEX MBJ, UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL, RoHS
MBJ25-300-8	555201	0.79"	1.1"	0.17 lb	UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL
MBJ25-500-10	556950	0.79"	1.1"	0.29 lb	cUL, RoHS, UKCA, ERIFLEX MBJ, UL, CE, ERIFLEX MBJ, Bureau Veritas
MBJ30-250-10	556750	0.87"	1.1"	0.17 lb	UL, CE, ERIFLEX MBJ, Bureau Veritas, RoHS, cUL, UKCA, ERIFLEX MBJ

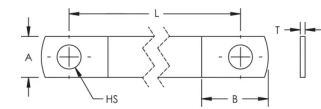
Catalog Number	Article Number	A	B	Unit Weight	Certifications
MBJ35-200-10	556790	0.87"	1.1"	0.16 lb	cUL, RoHS, UKCA, ERIFLEX MBJ, UL, CE, ERIFLEX MBJ, Bureau Veritas
MBJ30-300-10	556760	0.87"	1.1"	0.2 lb	UKCA, ERIFLEX MBJ, RoHS, UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL
MBJ30-500-10	556960	0.87"	1.1"	0.34 lb	cUL, RoHS, UKCA, ERIFLEX MBJ, UL, CE, ERIFLEX MBJ, Bureau Veritas
MBJ35-250-10	556800	0.87"	1.1"	0.2 lb	UL, CE, ERIFLEX MBJ, Bureau Veritas, RoHS, cUL, UKCA, ERIFLEX MBJ
MBJ35-300-10	556810	0.87"	1.1"	0.24 lb	cUL, RoHS, UKCA, ERIFLEX MBJ, UL, CE, ERIFLEX MBJ, Bureau Veritas
MBJ35-500-10	556970	0.87"	1.1"	0.4 lb	UL, CE, ERIFLEX MBJ, Bureau Veritas, RoHS, cUL, UKCA, ERIFLEX MBJ
MBJ50-150-10	556830	1.1"	1.3"	0.17 lb	cUL, RoHS, UKCA, ERIFLEX MBJ, UL, CE, ERIFLEX MBJ, Bureau Veritas
MBJ35-250-25	565000	1.57"	1.77"	0.2 lb	UKCA, ERIFLEX MBJ, RoHS, UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL
MBJ50-200-10	556840	1.1"	1.3"	0.26 lb	UL, CE, ERIFLEX MBJ, Bureau Veritas, RoHS, cUL, UKCA, ERIFLEX MBJ
MBJ50-200-12	563440	1.1"	1.3"	0.26 lb	UKCA, ERIFLEX MBJ, RoHS, UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL

Catalog Number	Article Number	A	B	Unit Weight	Certifications
MBJ50-200-16	563360	1.1"	1.3"	0.24 lb	cUL, RoHS, UKCA, ERIFLEX MBJ, UL, CE, ERIFLEX MBJ, Bureau Veritas
MBJ50-200-18	563370	1.1"	1.3"	0.24 lb	UL, CE, ERIFLEX MBJ, Bureau Veritas, RoHS, cUL, UKCA, ERIFLEX MBJ
MBJ50-200-6	563350	1.1"	1.3"	0.26 lb	UKCA, ERIFLEX MBJ, RoHS, UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL
MBJ50-250-10	556850	1.1"	1.3"	0.28 lb	cUL, RoHS, UKCA, ERIFLEX MBJ, UL, CE, ERIFLEX MBJ, Bureau Veritas
MBJ50-300-10	556860	1.1"	1.3"	0.34 lb	UL, CE, ERIFLEX MBJ, Bureau Veritas, RoHS, cUL, UKCA, ERIFLEX MBJ
MBJ50-300-16	563390	1.1"	1.3"	0.33 lb	UKCA, ERIFLEX MBJ, RoHS, UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL
MBJ50-300-18	563400	1.1"	1.3"	0.31 lb	cUL, RoHS, UKCA, ERIFLEX MBJ, UL, CE, ERIFLEX MBJ, Bureau Veritas
MBJ50-300-6	563380	1.1"	1.3"	0.33 lb	UL, CE, ERIFLEX MBJ, Bureau Veritas, RoHS, cUL, UKCA, ERIFLEX MBJ
MBJ50-500-10	556980	1.1"	1.3"	0.56 lb	UKCA, ERIFLEX MBJ, RoHS, UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL
MBJ50-500-12	563560	1.1"	1.3"	0.56 lb	cUL, RoHS, UKCA, ERIFLEX MBJ, UL, CE, ERIFLEX MBJ, Bureau Veritas

Catalog Number	Article Number	A	B	Unit Weight	Certifications
MBJ70-300-22	563480	1.57"	1.77"	0.44 lb	cUL, RoHS, UKCA, ERIFLEX MBJ, UL, CE, ERIFLEX MBJ, Bureau Veritas
MBJ70-300-10	563460	1.1"	1.3"	0.46 lb	cUL, RoHS, UKCA, ERIFLEX MBJ, UL, CE, ERIFLEX MBJ, Bureau Veritas
MBJ70-300-12	563420	1.1"	1.3"	0.46 lb	UL, CE, ERIFLEX MBJ, Bureau Veritas, RoHS, cUL, UKCA, ERIFLEX MBJ
MBJ70-300-16	563470	1.1"	1.3"	0.44 lb	UKCA, ERIFLEX MBJ, RoHS, UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL
MBJ70-300-6	563450	1.1"	1.3"	0.46 lb	UL, CE, ERIFLEX MBJ, Bureau Veritas, RoHS, cUL, UKCA, ERIFLEX MBJ
MBJ70-500-10	563490	1.1"	1.3"	0.75 lb	UKCA, ERIFLEX MBJ, RoHS, UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL
MBJ100-250-16	563500	1.57"	2.17"	0.56 lb	cUL, UL, CE, ERIFLEX MBJ, Bureau Veritas, UKCA, ERIFLEX MBJ, RoHS
MBJ100-250-30	563510	1.57"	2.17"	0.56 lb	RoHS, UL, CE, ERIFLEX MBJ, Bureau Veritas, cUL, UKCA, ERIFLEX MBJ
MBJ100-500-16	563520	1.57"	1.67"	1.12 lb	UKCA, ERIFLEX MBJ, UL, CE, ERIFLEX MBJ, Bureau Veritas, RoHS, cUL

Catalog Number	Article Number	A	B	Unit Weight	Certifications
MBJ100-500-30	563530	1.57"	2.17"	1.12 lb	cUL, UL, CE, ERIFLEX MBJ, Bureau Veritas, UKCA, ERIFLEX MBJ, RoHS

DIAGRAMS



WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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