

# MBJYG Grounding and Bonding Braid, Tinned Copper, Halogen Free



MBJYG Grounding and Bonding Braids are a reliable and convenient ground solution for applications that require flexibility and durability. Designed with halogen-free and flame retardant yellow green insulation, MBJYG braids are made with tinned copper ground braids and solid palms that are ready to install without any additional cutting, stripping, crimping or punching. MBJYG braids also do not require the addition of tin or crimped lugs and the proprietary manufacturing process helps optimize the electrical contact between each wire and helps eliminate moisture issues in the palms, helping prevent corrosion and extend the useful life of the braid.

## CERTIFICATIONS



## FEATURES

Complete range of earth/ground flexible connections from 6 - 25 mm<sup>2</sup> (11.84 - 49.33 kcmil) cross section and from 100 - 300 mm (3.937" - 11.811") 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

Halogen free and flame retardant yellow green insulation

Quick and easy to install

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

RoHS compliant

## SPECIFICATIONS

<b>Dielectric Strength:</b>	15
<b>Nominal Voltage, UL/CSA/IEC:</b>	600V

<b>Material:</b>	Copper;Polyolefin
<b>Halogen Free Rating:</b>	EN 14582
<b>Complies With:</b>	IEC® 60439.1;IEC® 61439.1
<b>Finish:</b>	Tinned
<b>Flammability Rating:</b>	UL® 224 VW-1
<b>Working Temperature:</b>	-55 to 125 °C

Table 1/2

Catalog Number	Article Number	Ampacity	Thickness (T)	Cross Section	Length (L)	Hole Size (HS)
MBJYG10-100-6	563606	75A	1.1 mm	10mm <sup>2</sup>	100mm	6.5 mm
MBJYG6-100-6	563601	40A	1.1 mm	6mm <sup>2</sup>	100mm	6.5 mm
MBJYG10-150-6	563607	75A	1.1 mm	10mm <sup>2</sup>	150mm	6.5 mm
MBJYG10-200-6	563608	75A	1.1 mm	10mm <sup>2</sup>	200mm	6.5 mm
MBJYG16-100-8	563612	120A	1.5 mm	16mm <sup>2</sup>	100mm	8.5 mm
MBJYG6-150-6	563602	40A	1.1 mm	6mm <sup>2</sup>	150mm	6.5 mm
MBJYG6-200-6	563603	40A	1.1 mm	6mm <sup>2</sup>	200mm	6.5 mm
MBJYG10-250-6	563609	75A	1.1 mm	10mm <sup>2</sup>	250mm	6.5 mm
MBJYG10-300-6	563611	75A	1.1 mm	10mm <sup>2</sup>	300mm	6.5 mm
MBJYG16-150-8	563613	120A	1.5 mm	16mm <sup>2</sup>	150mm	8.5 mm
MBJYG25-100-8	563617	150A	1.9 mm	25mm <sup>2</sup>	100mm	8.5 mm
MBJYG6-250-6	563604	40A	1.1 mm	6mm <sup>2</sup>	250mm	6.5 mm

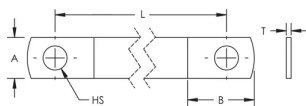
CatalogNumber	Article Number	Ampacity	Thickness (T)	Cross Section	Length (L)	Hole Size (HS)
MBJYG6-300-6	563605	40A	1.1 mm	6mm <sup>2</sup>	300mm	6.5 mm
MBJYG16-200-8	563614	120A	1.5 mm	16mm <sup>2</sup>	200mm	8.5 mm
MBJYG16-250-8	563615	120A	1.5 mm	16mm <sup>2</sup>	250mm	8.5 mm
MBJYG25-150-8	563618	150A	1.9 mm	25mm <sup>2</sup>	150mm	8.5 mm
MBJYG16-300-8	563616	120A	1.5 mm	16mm <sup>2</sup>	300mm	8.5 mm
MBJYG25-200-8	563619	150A	1.9 mm	25mm <sup>2</sup>	200mm	8.5 mm
MBJYG25-250-8	563621	150A	1.9 mm	25mm <sup>2</sup>	250mm	8.5 mm
MBJYG25-300-8	563622	150A	1.9 mm	25mm <sup>2</sup>	300mm	8.5 mm

Table 2/2

Catalog Number	Article Number	A	B	Unit Weight
MBJYG10-100-6	563606	11 mm	18 mm	0.01 kg
MBJYG6-100-6	563601	11 mm	18 mm	0.01 kg
MBJYG10-150-6	563607	11 mm	18 mm	0.02 kg
MBJYG10-200-6	563608	11 mm	18 mm	0.02 kg
MBJYG16-100-8	563612	15 mm	20 mm	0.02 kg
MBJYG6-150-6	563602	11 mm	18 mm	0.02 kg
MBJYG6-200-6	563603	11 mm	18 mm	0.02 kg

Catalog Number	Article Number	A	B	Unit Weight
MBJYG10-250-6	563609	11 mm	18 mm	0.03 kg
MBJYG10-300-6	563611	11 mm	18 mm	0.03 kg
MBJYG16-150-8	563613	15 mm	20 mm	0.03 kg
MBJYG25-100-8	563617	20 mm	28 mm	0.03 kg
MBJYG6-250-6	563604	11 mm	18 mm	0.03 kg
MBJYG6-300-6	563605	11 mm	18 mm	0.03 kg
MBJYG16-200-8	563614	15 mm	20 mm	0.04 kg
MBJYG16-250-8	563615	15 mm	20 mm	0.04 kg
MBJYG25-150-8	563618	20 mm	28 mm	0.04 kg
MBJYG16-300-8	563616	15 mm	20 mm	0.05 kg
MBJYG25-200-8	563619	20 mm	28 mm	0.06 kg
MBJYG25-250-8	563621	20 mm	28 mm	0.07 kg
MBJYG25-300-8	563622	20 mm	28 mm	0.08 kg

## 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](http://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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