



FLEXO® TINNED COPPER
EMI, RFI, ESD PROTECTION · COMPLIES WITH CID A-A-59569
ENGINE DRESS-UP · EXTREME BLOWOUT PROTECTION

Our skill with braided sleeving extends to many materials including tinned copper for a variety of applications. Flexo® Tinned Copper braid is perfect for shielding on harnesses and cables. Wire conforms to ASTM-B 33. High end automotive, heavy equipment and industrial applications have always used braided metal for secure and efficient grounding solutions. Our braided tinned copper is a perfect combination of economy and durability, and will provide many years of use even in exposed applications. When installed, Flexo® Tinned Copper (aka Metal Braid) provides full coverage and is great for covering and protecting hoses on hot rods and motorcycles.

SIZING CHART

Nominal Size	Part #	Wall Thickness	Wire Thickness	*Put-Ups		Available Colors	Kgs/100m
				M	L		
1,6mm	MBN0.06SV	0,33mm	0,13mm	30,5m	76,2m	1	0,59
2,8mm	MBN0.11SV	0,33mm	0,13mm	30,5m	76,2m	1	1,19
3,2mm	MBN0.13SV	0,33mm	0,13mm	30,5m	76,2m	1	1,49
4,0mm	MBN0.16SV	0,33mm	0,13mm	30,5m	76,2m	1	3,13
4,3mm	MBN0.17SV	0,33mm	0,13mm	30,5m	76,2m	1	2,01
5,2mm	MBN0.20SV	0,51mm	0,20mm	30,5m	76,2m	1	3,72
6,4mm	MBN0.25SV	0,33mm	0,13mm	30,5m	76,2m	1	3,27
9,5mm	MBN0.38SV	0,33mm	0,13mm	30,5m	76,2m	1	4,91
12,7mm	MBN0.50SV	0,33mm	0,13mm	15,2m	30,5m	1	5,21
15,9mm	MBN0.63SV	0,41mm	0,15mm	15,2m	30,5m	1	5,36
19,8mm	MBN0.78SV	0,33mm	0,13mm	15,2m	30,5m	1	10,94
22,2mm	MBN0.88SV	0,64mm	0,25mm	15,2m	30,5m	1	15,33
25,4mm	MBN1.00SV	0,64mm	0,25mm	15,2m	30,5m	1	19,57
28,6mm	MBN1.13SV	0,64mm	0,25mm	15,2m	30,5m	1	20,54
31,8mm	MBN1.25SV	0,64mm	0,25mm	15,2m	30,5m	1	24,55
34,9mm	MBN1.38SV	0,64mm	0,25mm	15,2m	30,5m	1	25,15
38,1mm	MBN1.50SV	0,64mm	0,25mm	15,2m	30,5m	1	27,38
50,8mm	MBN2.00SV	0,64mm	0,25mm	15,2m	30,5m	1	33,78
57,2mm	MBN2.25SV	0,64mm	0,25mm	15,2m	30,5m	1	35,12

*Put-Ups: "M" = Shop Spool and "L" = Bulk Spool





FEATURES

Material	Tinned Copper
Grade	MBN
Wire Thickness	0,13mm - 0,25mm
Drawing Number	TF001MBN-WD
Cutting	Shears

Nominal Size	Part #	AWG Ends	Carriers	Wires/Carrier	Current Capacity Amps
1,6mm	MBN0.06SV	36	24	2	11
2,8mm	MBN0.11SV	36	24	4	19
3,2mm	MBN0.13SV	36	24	5	25
4,0mm	MBN0.16SV	36	24	10	40
4,3mm	MBN0.17SV	36	24	7	32
5,2mm	MBN0.20SV	32	24	5	46
6,4mm	MBN0.25SV	36	24	16	53
9,5mm	MBN0.38SV	36	48	8	53
12,7mm	MBN0.50SV	36	48	11	62
15,9mm	MBN0.63SV	34	48	8	64
19,8mm	MBN0.78SV	36	48	18	88
22,2mm	MBN0.88SV	30	48	7	100
25,4mm	MBN1.00SV	30	48	8	120
28,6mm	MBN1.13SV	30	48	9	130
31,8mm	MBN1.25SV	30	48	10	145
34,9mm	MBN1.38SV	30	48	11	150
38,1mm	MBN1.50SV	30	48	12	165
50,8mm	MBN2.00SV	30	48	14	180
*57,2mm	MBN2.25SV	30	48	16	190

*Not on Spec - CID A-A-59569 (formerly Mil Spec QQB-575)

PHYSICAL PROPERTIES

Wire Thickness (ASTM D-204)	0,13mm - 0,25mm
Flammability Rating (SAEJ369)	Non Flammable
Recommended Cutting	Shears
Colors	1
Wall Thickness	0,33mm - 0,64mm
Abrasion	Highs
Specific Gravity (ASTM D-792)	8,9

CERTIFICATIONS



COLORS



Silver (SV)

FLAMMABILITY

Rating Non Flammable

OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	Copper 1 981°F / 1 083°C Tin 450°F / 232°C
Maximum Continuous (Mil-I-23053)	°F / °C
Minimum Continuous (Mil-I-23053)	°F / °C

CHEMICAL RESISTANCE

1=No Effect 2=Little Effect 3=Affected 4=More Affected 5=Severely Affected

Aromatic Solvents	1
Aliphatic Solvents	1
Chlorinated Solvents	1
Weak Bases	1
Salts	1
Strong Bases	2
Salt Water (0-S-1926)	1
Hydraulic Fluid (MIL-H-5606)	1
Lube Oil (MIL-L-7808)	1
De-Icing Fluid (MIL-A-8243)	1
Strong Acids	5
Strong Oxidants	5
Esters/Ketones	1
UV Light	2
Petroleum	2
Fungus (ASTM G-21)	2
Halogen Free	Yes
RoHS	Yes
SVHC	NA

