



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. Our 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	Lbs/100'
				M	L		
1/16"	MBN0.06SV	.013"	.005"	100'	250'	1	0.40
7/64"	MBN0.11SV	.013"	.005"	100'	250'	1	0.80
1/8"	MBN0.13SV	.013"	.005"	100'	250'	1	1.00
5/32"	MBN0.16SV	.013"	.005"	100'	250'	1	2.10
11/64"	MBN0.17SV	.013"	.005"	100'	250'	1	1.35
13/64"	MBN0.20SV	.020"	.008"	100'	250'	1	2.50
1/4"	MBN0.25SV	.013"	.005"	100'	250'	1	2.20
3/8"	MBN0.38SV	.013"	.005"	100'	250'	1	3.30
1/2"	MBN0.50SV	.013"	.005"	50'	100'	1	3.50
5/8"	MBN0.63SV	.016"	.006"	50'	100'	1	3.60
25/32"	MBN0.78SV	.013"	.005"	50'	100'	1	7.35
7/8"	MBN0.88SV	.025"	.010"	50'	100'	1	10.30
1"	MBN1.00SV	.025"	.010"	50'	100'	1	13.15
1 1/8"	MBN1.13SV	.025"	.010"	50'	100'	1	13.80
1 1/4"	MBN1.25SV	.025"	.010"	50'	100'	1	16.50
1 3/8"	MBN1.38SV	.025"	.010"	50'	100'	1	16.90
1 1/2"	MBN1.50SV	.025"	.010"	50'	100'	1	18.40
2"	MBN2.00SV	.025"	.010"	50'	100'	1	22.70
2 1/4"	MBN2.25SV	.025"	.010"	50'	100'	1	23.60

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





FEATURES

Material	Tinned Copper
Grade	MBN
Wire Thickness	.005"-.010"
Drawing Number	TF001MBN-WD
Cutting	Shears

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

Nominal Size	Part #	AWG Ends	Carriers	Wires/Carrier	Current Capacity Amps
1/16"	MBN0.06SV	36	24	2	11
7/64"	MBN0.11SV	36	24	4	19
1/8"	MBN0.13SV	36	24	5	25
5/32"	MBN0.16SV	36	24	10	40
11/64"	MBN0.17SV	36	24	7	32
13/64"	MBN0.20SV	32	24	5	46
1/4"	MBN0.25SV	36	24	16	53
3/8"	MBN0.38SV	36	48	8	53
1/2"	MBN0.50SV	36	48	11	62
*5/8"	MBN0.63SV	34	48	8	64
25/32"	MBN0.78SV	36	48	18	88
7/8"	MBN0.88SV	30	48	7	100
1"	MBN1.00SV	30	48	8	120
1 1/8"	MBN1.13SV	30	48	9	130
*1 1/4"	MBN1.25SV	30	48	10	145
1 3/8"	MBN1.38SV	30	48	11	150
1 1/2"	MBN1.50SV	30	48	12	165
2"	MBN2.00SV	30	48	14	180
*2 1/4"	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)	.005"-.010"
Flammability Rating (SAEJ369)	Non Flammable
Recommended Cutting	Shears
Colors	1
Wall Thickness	.013"-.025"
Abrasion	Highs
Specific Gravity (ASTM D-792)	8.9

www.TECHFLEX.com

104 Demarest Road • Sparta, NJ 07871 • 1 (833) SLEEVING • (973) 300-9242 • fax: (973) 300-9409

© 2023 Techflex® - Any unauthorized reproduction, in whole or part, in any medium whatsoever, without the express written permission of Techflex® is strictly forbidden. Techflex® product names and logos are registered trademarks of Techflex®, unless otherwise attributed. The contents and illustrations contained herein are believed to be reliable. Techflex® makes no warranties as to their accuracy or completeness and disclaims any liability in connection with their use. Techflex's® only obligations are those in standard terms of sale for these products and Techflex® will not be liable for any consequential or other damages arising due to misuse of these products or typographical errors or omissions. Users should make their own evaluation to determine the suitability of these products for their unique and specific applications.