FLEXO® TINNED COPPER

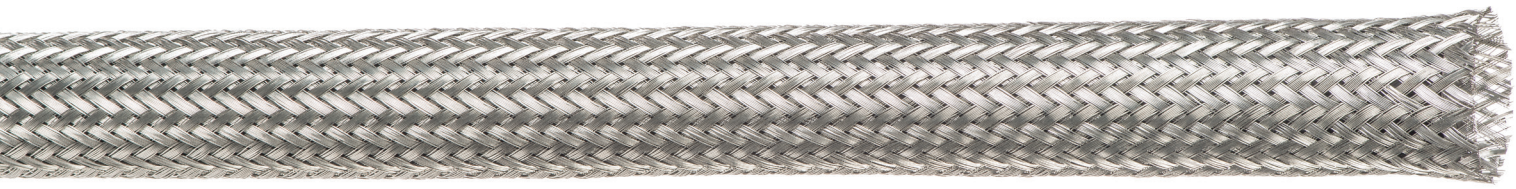
EMI, RFI, ESD PROTECTION · COMPLIES WITH CID A-A-59569
ENGINE DRESS-UP · EXTREME BLOWOUT PROTECTION

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
3/16"	MBN0.19SV	.018"	.006"	100'	250'	1	2.20
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



TECHFLEX®
Braided Sleeving Products

METAL & SHIELDING
Technical Data Sheet

FLEXO TINNED COPPER®

FEATURES

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

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
3/16"	MBN0.19SV	34	24	6	38
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

CERTIFICATIONS

RoHS Compliant

Prop 65 CLEAN

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	°F / °C
Minimum Continuous	°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

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08-18-26