

FLEXO[®] SILVER PLATED

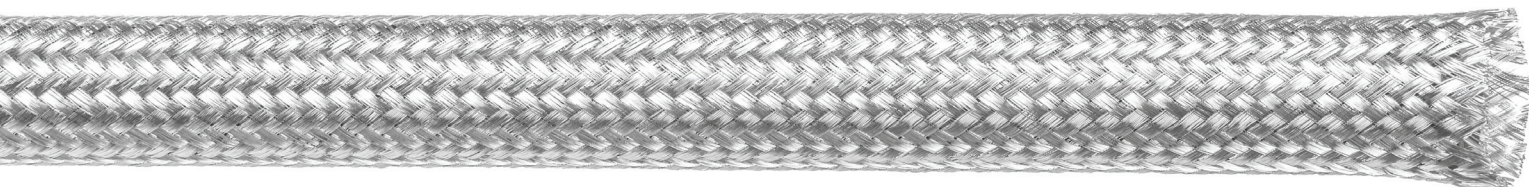
EMI, RFI, ESD PROTECTION • COMPLIES WITH CID A-A-59569 ENGINE DRESS-UP • EXTREME BLOWOUT PROTECTION

Flexo[®] Silver Plated Copper Braid (MBS) is made to conform to A-A-59569 and ASTM-B298. MBS products are produced with a minimum plating thickness of 40 micro-inches. Federal Specification QQ-B-575C, dated September 22, 1993 was replaced on November 20, 2000 and replaced by Commercial Item Description (CID) A-A-59569. This CID covers tin- or silver-plated copper wire braids supplied in tubular or flat form intended for use as shielding over electrical conductors, controller contacts and grounding bonds. USE: Silver plating, in lieu of tin plating, is necessary when the shielding is to be subjected to temperatures exceeding 302°F or if special corrosion resistance is required.

SIZING CHART

| Nominal Size | Part # | Wall Thickness | Wire Thickness | *Put-Ups | | Available Colors | Lbs/100' |
|--------------|-----------|----------------|----------------|----------|------|------------------|----------|
| | | | | M | L | | |
| 1/16" | MBS0.06SV | .013" | .005" | 100' | 250' | 1 | 0.40 |
| 7/64" | MBS0.11SV | .013" | .005" | 100' | 250' | 1 | 0.80 |
| 1/8" | MBS0.13SV | .013" | .005" | 100' | 250' | 1 | 1.00 |
| 5/32" | MBS0.16SV | .013" | .005" | 100' | 250' | 1 | 2.10 |
| 11/64" | MBS0.17SV | .013" | .005" | 100' | 250' | 1 | 1.35 |
| 13/64" | MBS0.20SV | .020" | .008" | 100' | 250' | 1 | 2.50 |
| 1/4" | MBS0.25SV | .013" | .005" | 100' | 250' | 1 | 2.20 |
| 3/8" | MBS0.38SV | .013" | .005" | 100' | 250' | 1 | 3.30 |
| 1/2" | MBS0.50SV | .013" | .005" | 50' | 100' | 1 | 3.50 |
| 5/8" | MBS0.63SV | .016" | .006" | 50' | 100' | 1 | 3.60 |
| 25/32" | MBS0.78SV | .013" | .005" | 50' | 100' | 1 | 7.35 |
| 7/8" | MBS0.88SV | .025" | .010" | 50' | 100' | 1 | 10.30 |
| 1" | MBS1.00SV | .025" | .010" | 50' | 100' | 1 | 13.15 |
| 1 1/8" | MBS1.13SV | .025" | .010" | 50' | 100' | 1 | 13.80 |
| 1 1/4" | MBS1.25SV | .025" | .010" | 50' | 100' | 1 | 16.50 |
| 1 3/8" | MBS1.38SV | .025" | .010" | 50' | 100' | 1 | 16.90 |
| 1 1/2" | MBS1.50SV | .025" | .010" | 50' | 100' | 1 | 18.40 |
| 2" | MBS2.00SV | .025" | .010" | 50' | 100' | 1 | 22.70 |
| 2 1/4" | MBS2.25SV | .025" | .010" | 50' | 100' | 1 | 23.60 |

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





FEATURES

| | |
|----------------|----------------------|
| Material | Silver Plated Copper |
| Grade | MBS |
| Wire Thickness | .005"-.010" |
| Drawing Number | TF001MBS-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 |
| 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" |
| 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 Silver 1,762°F / 961°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 |

www.TECHFLEX.com

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

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