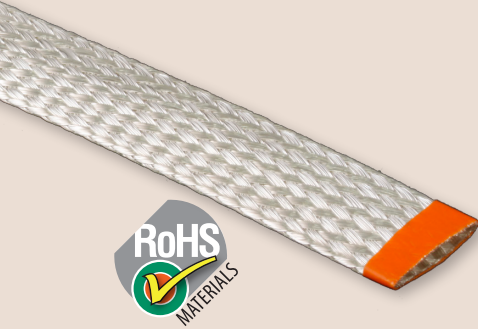


# INDUSTRY-STANDARD METALLIC EMI/RFI Braided Shielding

## 100-252 silver/copper braid

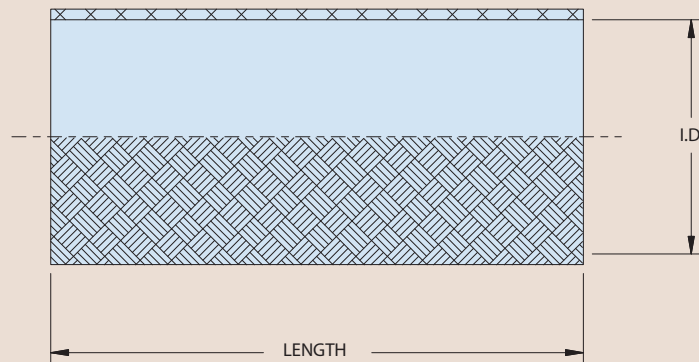


### 100-252 SINGLE LAYER TUBULAR, SILVER/COPPER BRAID; 80 µIN SILVER



- Soft-drawn silver-plated copper braid
- EMI frequency effective from 10KHz to 1 GHz
- 200°C temperature tolerant
- 125 lbs. pull strength (.500 dia. braid)
- Good corrosion resistance
- Red Plague mitigation: 80 µin silver plating

| How To Order       |                                                       |     |      |
|--------------------|-------------------------------------------------------|-----|------|
| Sample Part Number | 100-252                                               | -36 | -008 |
| Basic No.          | Silver/Copper Braid                                   |     |      |
| Wire Gage Code     | -36 = 36 AWG<br>(Consult factory for other AWG sizes) |     |      |
| Braid Diameter No. | See Tables I and II                                   |     |      |



| Table I: 36 AWG |              |                    |                |                     |                  |
|-----------------|--------------|--------------------|----------------|---------------------|------------------|
| Dash No.        | Nominal I.D. | Carriers per Layer | Ends per Layer | Current Rating Amps | Lbs. per 100 ft. |
| 001             | .031         | 24                 | 24             | 8.1                 | .19              |
| 002             | .062         | 24                 | 48             | 12.8                | .39              |
| 004             | .125         | 24                 | 120            | 23.5                | 1.00             |
| 008             | .250         | 24                 | 384            | 50.6                | 3.35             |
| 012             | .375         | 48                 | 384            | 50.6                | 3.35             |
| 016             | .500         | 48                 | 528            | 62.4                | 4.67             |
| 020             | .625         | 48                 | 720            | 76.6                | 6.50             |
| 024             | .750         | 48                 | 816            | 83.3                | 7.41             |
| 032             | 1.000        | 64                 | 768            | 80.0                | 7.46             |
| 040             | 1.250        | 72                 | 792            | 81.6                | 7.79             |
| 048             | 1.500        | 72                 | 936            | 91.2                | 9.67             |

#### NOTES

1. Direct current rating are given for information only. Values shown are for uninsulated braid in free air, at 30° C (86° F). Actual values will depend on permissible temperature rise, voltage drop and other conditions of service. Values should be de-rated if the braid is insulated or in close contact with other components.
2. Material/Finish:  
Braid - Copper/silver plated 80 microinch min per ASTM B298