



## SAE-AS22759/7 Formerly MIL-W-22759/7

Insulation: **Mineral Filled Polytetrafluoroethylene (PTFE)**

Silver Plated Copper Conductor

Voltage Rating: 600 Volts

Temperature: - 55°C to + 200°C

Designed for applications in aircraft engines, and wherever high abrasion is a concern. This wire is lighter weight, with a thinner wall than M22759/5.

| Wire Type<br>RDS Number | Gauge<br>(AWG) | Stranding | Dimensional Data<br>Insulation O.D. |                  | Resistance @ 20°C<br>OHMS/1000' max | Nominal Weight<br>Pounds/1000' |
|-------------------------|----------------|-----------|-------------------------------------|------------------|-------------------------------------|--------------------------------|
|                         |                |           | Min.<br>(Inches)                    | Max.<br>(Inches) |                                     |                                |
| M22759/7                |                |           |                                     |                  |                                     |                                |
| M22759/7-24-*           | 24             | 19/36     | .060                                | .064             | 24.30                               | 3.70                           |
| M22759/7-22-*           | 22             | 19/34     | .071                                | .075             | 15.10                               | 5.00                           |
| M22759/7-20-*           | 20             | 19/32     | .080                                | .084             | 9.19                                | 7.30                           |
| M22759/7-18-*           | 18             | 19/30     | .090                                | .094             | 5.79                                | 10.20                          |
| M22759/7-16-*           | 16             | 19/29     | .099                                | .105             | 4.52                                | 12.70                          |
| M22759/7-14-*           | 14             | 19/27     | .112                                | .118             | 2.88                                | 17.30                          |
| M22759/7-12-*           | 12             | 19/25     | .131                                | .137             | 1.81                                | 25.70                          |
| M22759/7-10-*           | 10             | 37/26     | .154                                | .162             | 1.19                                | 37.40                          |
| M22759/7-8-*            | 8              | 133/29    | .215                                | .225             | .658                                | 67.60                          |

\* = Color.

0 = Black, 1= Brown, 2 = Red, 3 = Orange, 4 = Yellow, 5 = Green, 6 = Blue, 7 = Violet, 8 = Grey, 9 = White

These colors may also be used for stripe combinations. Example: -92 = White with one Red stripe.

Complete Mil Spec call out M22759/7 - 20 - 92 => { 20 AWG (19/32) White/Red }