



Caledonian Military Cables

MIL-W-22759/6

Application and Description

These PTFE insulated single-core MIL-W-22759/6 wires are used for MIL-Spec and Aerospace, government applications or aircraft engines, and where extra abrasion resistance and good flexibility are required.

Construction Details

PTFE is extruded

Construction

Conductor: Nickel plated copper

Insulation: Mineral filled PTFE Teflon

Insulating Material Thickness: 25 mil (0.6 mm) to 44 mil (1.1mm)

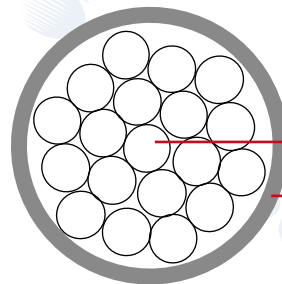
Characteristics

Temperature Rating: 260°C

Voltage Rating: 600 volts

SAE AS22759/6

Color Code: MIL-STD-681



Nickel plated copper conductor

PTFE insulation

Dimensions and Weight

| AWG Size | Conductor Stranding | Conductor Diam. Min | | Conductor Diam. Max | | Min O.D. | | Max O.D. | | Approx LBS/ MFT |
|----------|---------------------|---------------------|-------|---------------------|-------|----------|-------|----------|-------|-----------------|
| | | in | mm | in | mm | in | mm | In | mm | |
| 24 | 19/36 | 0.023 | 0.584 | 0.026 | 0.660 | 0.070 | 1.78 | 0.08 | 2.03 | 6.0 |
| 22 | 19/34 | 0.029 | 0.737 | 0.031 | 0.787 | 0.080 | 2.03 | 0.09 | 2.29 | 8.0 |
| 20 | 19/32 | 0.037 | 0.940 | 0.039 | 0.991 | 0.090 | 2.29 | 0.10 | 2.54 | 10.0 |
| 18 | 19/30 | 0.046 | 1.168 | 0.049 | 1.245 | 0.105 | 2.67 | 0.12 | 2.92 | 13.1 |
| 16 | 19/29 | 0.052 | 1.321 | 0.053 | 1.346 | 0.120 | 3.05 | 0.13 | 3.30 | 16.9 |
| 14 | 19/27 | 0.065 | 1.651 | 0.069 | 1.753 | 0.136 | 3.45 | 0.15 | 3.81 | 23.3 |
| 12 | 19/25 | 0.084 | 2.134 | 0.089 | 2.261 | 0.153 | 3.89 | 0.17 | 4.24 | 31.9 |
| 10 | 37/26 | 0.106 | 2.692 | 0.112 | 2.845 | 0.172 | 4.37 | 0.19 | 4.73 | 43.5 |
| 8 | 133/29 | 0.158 | 4.013 | 0.169 | 4.293 | 0.241 | 6.12 | 0.26 | 6.48 | 79.0 |
| 6 | 133/27 | 0.198 | 5.029 | 0.213 | 5.410 | 0.283 | 7.19 | 0.30 | 7.70 | 127.0 |
| 4 | 133/29 | 0.250 | 6.350 | 0.268 | 6.807 | 0.400 | 10.16 | 0.43 | 10.92 | 190.0 |