

Caledonian Military Cables

MIL-W-22759/90

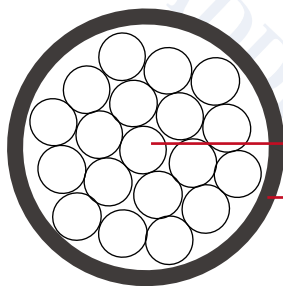
Application and Description

These PTFE tape insulation single-core MIL-W-22759/90 wires are used for MIL-Spec and Aerospace, these cables are normal weight, high-performance, aerospace hook up wires with insulation composed of PTFE/polyimide/PTFE tape and PTFE tape. These wires are designed for aerospace and other applications which require excellent thermal stability and high break strength.

Construction Details

A PTFE/K/PTFE layer construction

Construction



Nickel plated high strength copper conductor
 Fluoropolymer/Polyimide Tape Insulation

Conductor: Nickel plated high strength copper alloy

Insulation: Fluoropolymer/Polyimide Tape

Insulating Material Thickness: 14 mil (0.40 mm)

Characteristics

Temperature Rating: 260°C

Voltage Rating: 600 volts

MIL-Spec Wire

SAE AS22759/90

Color Code: MIL-STD-681

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 | |
| 26 | 19/38 | 0.018 | 0.440 | 0.020 | 0.520 | 0.033 | 0.838 | 0.037 | 0.940 | 1.55 |
| 24 | 19/36 | 0.023 | 0.570 | 0.025 | 0.650 | 0.038 | 0.965 | 0.042 | 1.067 | 2.15 |
| 22 | 19/34 | 0.029 | 0.720 | 0.031 | 0.800 | 0.043 | 1.092 | 0.047 | 1.194 | 3.00 |
| 20 | 19/32 | 0.037 | 0.930 | 0.040 | 1.030 | 0.051 | 1.295 | 0.055 | 1.397 | 4.55 |