

Caledonian Military Cables

MIL-W-22759/81

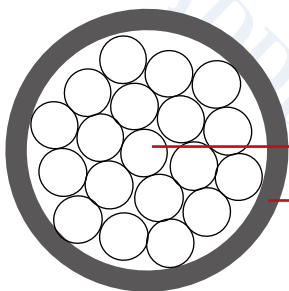
Application and Description

These PTFE tape insulation single-core MIL-W-22759/81 wires are used for MIL-Spec and Aerospace, these cables are light-weight, high-performance aerospace hook up wires with a dual-layer insulation of PTFE/polyimide/PTFE tape, covered with PTFE tape. These wires are designed for aerospace and other applications which require excellent thermal stability, light weight and high break strength.

Construction Details

A PTFE/K/PTFE layer construction

Construction



Silver plated high strength copper conductor

Fluoropolymer/polyimide tapes

Conductor: Silver plated high strength copper alloy

Insulation: Light Weight Fluoropolymer/Polyimide Tape

Insulating Material Thickness: 13 mil (0.30 mm)

Characteristics

Temperature Rating: 200°C

Voltage Rating: 600 volts

MIL-Spec Wire

SAE AS22759/81

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	0.445	0.020	0.518	0.030	0.762	0.034	0.864	1.43
24	19/36	0.023	0.572	0.024	0.620	0.034	0.864	0.038	0.965	1.93
22	19/34	0.029	0.724	0.031	0.798	0.040	1.016	0.043	1.092	2.85
20	19/32	0.037	0.927	0.040	1.003	0.048	1.219	0.051	1.295	4.38