



# Caledonian Military Cables

## MIL-W-22759/80

### Application and Description

These PTFE tape insulation single-core MIL-W-22759/80 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

**Conductor:** Tin plated copper

**Insulation:** Light Weight Fluoropolymer/Polyimide Tape

**Insulating Material Thickness:** 13 mil ( 0.30 mm)

### Characteristics

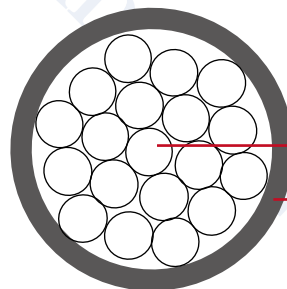
**Temperature Rating:** 150°C

**Voltage Rating:** 600 volts

MIL-Spec Wire

SAE AS22759/80

**Color Code:** MIL-STD-681



Tin plate copper conductor

Fluoropolymer/polyimide tapes

### 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	0.03	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	0.04	1.016	0.043	1.092	2.85
20	19/32	0.037	0.927	0.039	1.001	0.048	1.219	0.051	1.295	4.38
18	19/30	0.046	1.156	0.049	1.255	0.056	1.422	0.060	1.524	6.60
16	19/29	0.052	1.308	0.055	1.407	0.063	1.600	0.067	1.702	8.30
14	19/27	0.065	1.638	0.069	1.763	0.076	1.930	0.080	2.032	12.60
12	37/28	0.084	2.121	0.089	2.271	0.096	2.438	0.100	2.540	19.60
10	37/26	0.106	2.692	0.112	2.845	0.119	3.023	0.123	3.124	30.60