

# Caledonian Military Cables

## MIL-W-22759/85

### Application and Description

These PTFE tape insulation single-core MIL-W-22759/84 wires are used for MIL-Spec and Aerospace, these cables are large size, high-performance aerospace hook up wires with a four-layer insulation of PTFE tape and PTFE/polyimide/PTFE tape, with an outer layer of polyamide braid for superior abrasion resistance. These wires are designed for aerospace and other applications which require excellent thermal stability and abrasion resistance.

### Construction Details

A PTFE layer with an intermediate K layer followed by two top PTFE layers Over these layers is a braid of an Aramid.

### Construction

**Conductor:** Tin plated copper

**Insulation:** Fluoropolymer/Polyimide Tape

**Insulating Material Thickness:** Size 2 to 1 - 40 mil ( 1.0 mm) Size 1/0 to 4/0 - 50 mil ( 1.3 mm)

**Braid:** Aramid (option)

### Characteristics

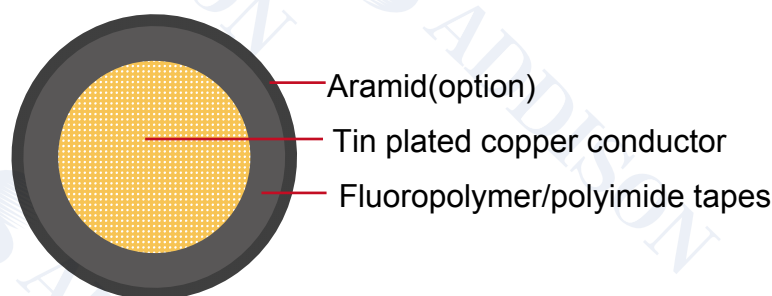
**Temperature Rating:** 150°C

**Voltage Rating:** 600 volts

MIL-Spec Wire

SAE AS22759/85

**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	
2	665/30	0.320	8.128	0.340	8.636	0.360	9.144	0.380	9.652	227
1	817/30	0.366	9.296	0.380	9.652	0.400	10.160	0.420	10.668	295
1/0	1045/30	0.395	10.033	0.425	10.795	0.442	11.227	0.462	11.735	351
2/0	1330/30	0.440	11.176	0.475	12.065	0.498	12.649	0.528	13.411	432
3/0	1665/30	0.500	12.700	0.540	13.716	0.554	14.072	0.584	14.834	542
4/0	2109/30	0.565	14.351	0.605	15.367	0.615	15.621	0.655	16.637	689