



# Caledonian Military Cables

## MIL-W-22759/86

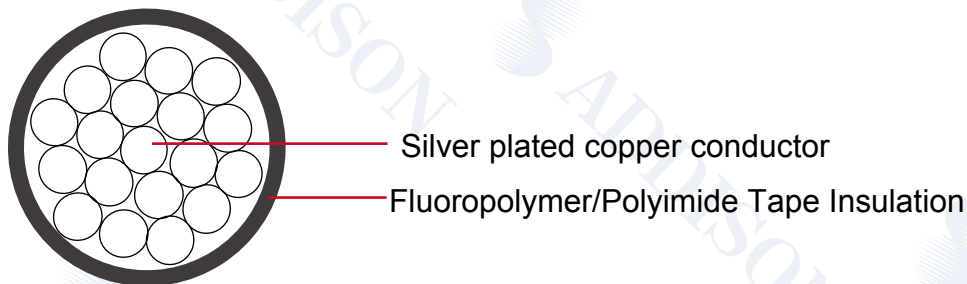
### Application and Description

These PTFE tape insulation single-core MIL-W-22759/86 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 in several configurations. These wires are designed for aerospace and other applications which require excellent thermal stability and good abrasion resistance.

### Construction Details

Sizes 10 to 26 have a PTFE/K/PTFE layer construction. Sizes 6 to 8 have a PTFE layer with an intermediate K layer and a top PTFE layer. Sizes 4 to 4/0 have a PTFE layer with an intermediate K layer and two top PTFE layers.

### Construction



**Conductor:** Silver plated copper

**Insulation:** Fluoropolymer/Polyimide Tape

**Insulating Material Thickness:** Size 10 to 26 - 16 mil ( 0.5 mm) Size 6 to 8 - 22 mil ( 0.6 mm) Size 4 - 25 mil ( 0.6 mm) Size 2 to 4/0 - 25 mil ( 0.6 mm)

### Characteristics

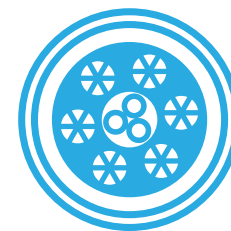
**Temperature Rating:** 200°C

**Voltage Rating:** 600 volts

MIL-Spec Wire

SAE AS22759/86

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



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## 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	0.0194	0.493	0.033	0.838	0.037	0.94	1.55
24	19/36	0.023	0.572	0.0244	0.620	0.038	0.965	0.042	1.067	2.20
22	19/34	0.029	0.724	0.0304	0.772	0.043	1.092	0.047	1.194	3.00
20	19/32	0.037	0.927	0.0384	0.975	0.051	1.295	0.055	1.397	4.55
18	19/30	0.046	1.156	0.0484	1.229	0.061	1.549	0.065	1.651	6.70
16	19/29	0.052	1.308	0.0544	1.382	0.068	1.727	0.073	1.854	8.60
14	19/27	0.065	1.638	0.0684	1.737	0.081	2.057	0.086	2.184	12.95
12	37/28	0.084	2.121	0.0874	2.220	0.100	2.540	0.105	2.667	20.10
10	37/26	0.106	2.692	0.110	2.794	0.122	3.099	0.127	3.226	31.40
8	133/29	0.158	4.013	0.166	4.216	0.180	4.572	0.188	4.775	57.60
6	133/27	0.198	5.029	0.208	5.283	0.219	5.563	0.229	5.817	88.30
4	133/27	0.250	6.350	0.263	6.680	0.276	7.010	0.288	7.315	143.00
2	665/30	0.320	8.128	0.340	8.636	0.344	8.738	0.364	9.246	223.00
1	817/30	0.366	9.296	0.380	9.652	0.388	9.855	0.408	10.363	289.00
1/0	1045/30	0.395	10.033	0.425	10.795	0.420	10.668	0.450	11.43	345.00
2/0	1330/30	0.440	11.176	0.475	12.065	0.475	12.065	0.505	12.827	432.00
3/0	1665/30	0.500	12.700	0.540	13.716	0.530	13.462	0.560	14.224	542.00
4/0	2109/30	0.565	14.351	0.605	15.367	0.590	14.986	0.630	16.002	681.00