



# Caledonian Military Cables

## MIL-W-22759/29

### Application and Description

These PTFE insulation with a polyimide hard single-core MIL-W-22759/29 wires are used for MIL-Spec and Aerospace, These wires are designed for aerospace and other applications requiring excellent thermal stability, tight dimensional tolerances, and high reliability. These wires are especially well-suited in applications where smoke emission, overload stability, and flammability are major concerns.

### Construction Details

PTFE is extruded

### Construction

**Conductor:** Nickel plated copper

**Insulation:** Extruded PTFE

**Insulating Material Thickness:** 10 mil ( 0.25 mm)

**Jacket:** Polyimide coating

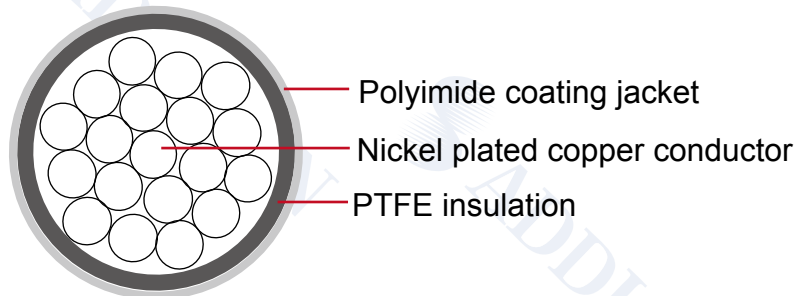
### Characteristics

**Temperature Rating:** 260°C

**Voltage Rating:** 600 volts

SAE AS22759/29

**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	
28	7/36	0.014	0.356	0.016	0.406	0.032	0.813	0.036	0.914	1.37
26	19/38	0.016	0.406	0.022	0.559	0.037	0.940	0.041	1.041	1.99
24	19/36	0.023	0.584	0.024	0.610	0.042	1.067	0.046	1.168	2.73
22	19/34	0.029	0.737	0.031	0.787	0.048	1.219	0.052	1.321	3.77
20	19/32	0.037	0.94	0.039	0.991	0.057	1.448	0.061	1.549	5.55
18	19/30	0.046	1.168	0.049	1.245	0.067	1.702	0.071	1.803	8.15
16	19/29	0.052	1.321	0.053	1.346	0.073	1.854	0.079	2.007	10.10
14	19/27	0.065	1.651	0.069	1.753	0.088	2.235	0.094	2.388	15.30
12	19/25	0.087	2.210	0.086	2.184	0.108	2.743	0.114	2.896	23.60
10	37/26	0.106	2.692	0.112	2.845	0.137	3.480	0.143	3.632	36.10
8	133/29	0.158	4.013	0.169	4.293	0.198	5.029	0.204	5.182	64.80