



Caledonian Military Cables

MIL-W-22759/31

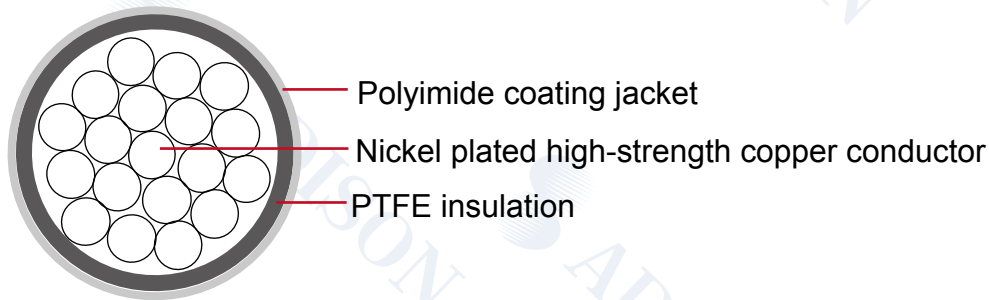
Application and Description:

These PTFE insulation with a polyimide hard single-core MIL-W-22759/31 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 high-strength copper alloy

Insulation: Extruded PTFE

Insulating Material Thickness: 10 mil (0.25 mm)

Jacket: Polyimide coating

Characteristics

Temperature Rating: 260°C

Voltage Rating: 600 volts

SAE AS22759/31

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	0.018	0.445	0.020	0.518	0.037	0.940	0.041	1.041	1.99
24	19/36	0.023	0.572	0.025	0.645	0.042	1.067	0.046	1.168	2.73
22	19/34	0.029	0.724	0.031	0.798	0.048	1.219	0.052	1.321	3.77
20	19/32	0.037	0.927	0.040	1.026	0.057	1.448	0.061	1.549	5.55