



Caledonian Military Cables

MIL-W-22759/18

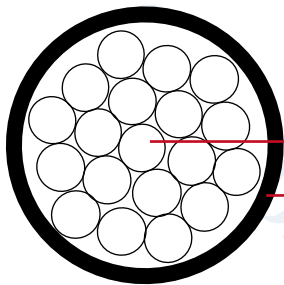
Application and Description

These ETFE insulated single-core MIL-W-22759/18 wires are used for MIL-Spec and Aerospace and other applications requiring light weight, tight diameter tolerances, and enhanced mechanical toughness. ETFE insulation also provides exceptional resistance to radiation and chemicals.

Construction Details

ETFE is extruded

Construction



Silver plated high-strength copper conductor

ETFE insulation

Conductor: Tin plated copper

Insulation: Extruded Thin Wall ETFE

Insulating Material Thickness: 6 mil (0.15 mm)

Characteristics

Temperature Rating: 150°C

Voltage Rating: 600 volts

SAE AS22759/18

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	
26	19/38	0.180	4.572	0.020	0.508	0.030	0.762	0.034	0.864	1.45
24	19/36	0.023	0.584	0.024	0.610	0.034	0.864	0.038	0.965	2.02
22	19/34	0.029	0.737	0.031	0.787	0.041	1.041	0.045	1.143	3.04
20	19/32	0.037	0.940	0.039	0.991	0.049	1.245	0.053	1.346	4.60
18	19/30	0.046	1.168	0.049	1.245	0.059	1.499	0.063	1.600	6.86
16	19/29	0.052	1.321	0.055	1.397	0.065	1.651	0.069	1.753	8.69
14	19/27	0.065	1.651	0.069	1.753	0.079	2.007	0.083	2.108	13.30
12	37/28	0.087	2.210	0.089	2.261	0.101	2.565	0.105	2.667	20.50
10	37/26	0.106	2.692	0.112	2.845	0.124	3.150	0.128	3.251	31.90