



Caledonian Military Cables

MIL-W-22759/16

Application and Description

These ETFE insulated single-core MIL-W-22759/16 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

Conductor: Tin plated copper

Insulation: Extruded ETFE

Insulating Material Thickness: 10 mil (0.25 mm)

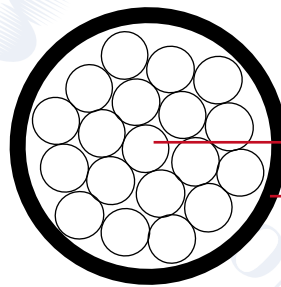
Characteristics

Temperature Rating: 150°C

Voltage Rating: 600 volts

SAE AS22759/16

Color Code: MIL-STD-681



Tin plated copper conductor

ETFE insulation

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	
24	19/36	0.023	0.584	0.024	0.610	0.043	1.092	0.047	1.194	2.4
22	19/34	0.029	0.737	0.031	0.787	0.050	1.270	0.054	1.372	3.52
20	19/32	0.037	0.940	0.039	0.991	0.058	1.473	0.062	1.575	5.18
18	19/30	0.046	1.168	0.049	1.245	0.069	1.753	0.073	1.854	7.65
16	19/29	0.052	1.321	0.055	1.397	0.077	1.956	0.081	2.057	9.68
14	19/27	0.065	1.651	0.069	1.753	0.091	2.311	0.095	2.413	14.5
12	37/28	0.087	2.210	0.089	2.261	0.111	2.819	0.117	2.972	21.8
10	37/26	0.106	2.692	0.112	2.845	0.136	3.454	0.142	3.607	34.0
8	133/29	0.158	4.013	0.169	4.293	0.196	4.978	0.202	5.131	61.5
6	133/27	0.198	5.029	0.212	5.385	0.247	6.274	0.253	6.426	96.9
4	133/25	0.250	6.350	0.268	6.807	0.308	7.823	0.316	8.026	152.0
2	665/30	0.320	8.128	0.340	8.636	0.384	9.754	0.392	9.957	231.0
1	817/30	0.360	9.144	0.380	9.652	0.426	10.820	0.436	11.074	314.0
2/0	1330/30	0.440	11.176	0.475	12.065	0.539	13.691	0.553	14.046	504.0
1/0	1045/30	0.395	10.033	0.425	10.795	0.473	12.014	0.485	12.319	391.0