



Caledonian Military Cables

MIL-W-22759/2

Application and Description

These PTFE, FEP, and Glass insulated single-core MIL-W-22759/2 wires are used for MIL-Spec and Aerospace, government applications in which wire must operate in extremely harsh environments. These wires are abrasion resistant, withstanding vibration and exposure to open flame.

Construction Details

The first layer is PTFE wrapped tape. The second and third layers are PTFE coated glass braid.

Construction

Conductor: Nickel plated copper

Insulation: PTFE, FEP, and Glass

Insulating Material Thickness: 54 mil (1.4 mm) to 125 mil (3.2mm)

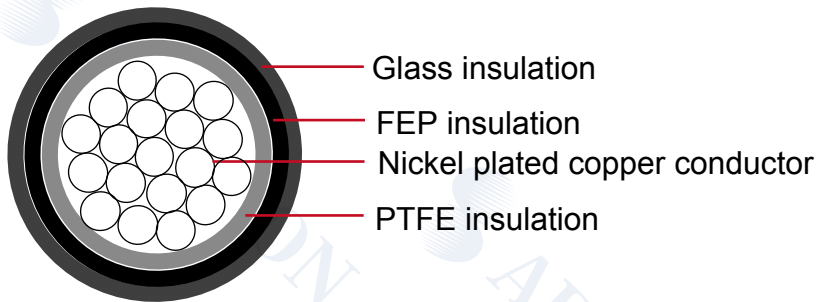
Characteristics

Temperature Rating: 260°C

Voltage Rating: 600 volts

SAE AS22759/2

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	
22	19/34	0.029	0.737	0.033	0.838	7.5	2.032	0.088	2.235	7.5
20	19/32	0.037	0.940	0.041	1.041	9.5	2.286	0.098	2.489	9.5
18	19/30	0.046	1.168	0.051	1.295	13.0	2.540	0.110	2.794	13.0
16	19/29	0.052	1.321	0.058	1.473	16.5	2.921	0.125	3.175	16.5
14	19/27	0.065	1.651	0.073	1.854	23.0	3.378	0.143	3.632	23.0
12	37/28	0.084	2.134	0.090	2.286	32.1	3.861	0.162	4.115	32.1
10	37/16	0.106	2.692	0.114	2.896	47.0	4.420	0.188	4.775	47.0
8	133/29	0.158	4.013	0.173	4.394	82.0	6.121	0.255	6.477	82.0
6	133/27	0.198	5.029	0.217	5.512	122.0	7.188	0.303	7.696	122.0
4	133/25	0.250	6.350	0.274	6.960	180.0	10.160	0.430	10.922	180.0
2	665/30	0.320	8.128	0.340	8.636	275.0	10.287	0.435	11.049	275.0
1	817/30	0.360	9.144	0.380	9.652	348.0	11.557	0.485	12.319	348.0
1/0	1045/30	0.395	10.033	0.425	10.795	429.0	12.573	0.535	13.589	429.0
2/0	1330/30	0.440	11.176	0.475	12.065	542.0	14.097	0.595	15.113	542.0
3/0	1665/30	0.500	12.700	0.540	13.716	668.0	15.748	0.660	16.764	668.0
4/0	2109/30	0.565	14.351	0.605	15.367	835.0	17.526	0.730	18.542	835.0