Caledonian Military Cables

MIL-W-22759/43

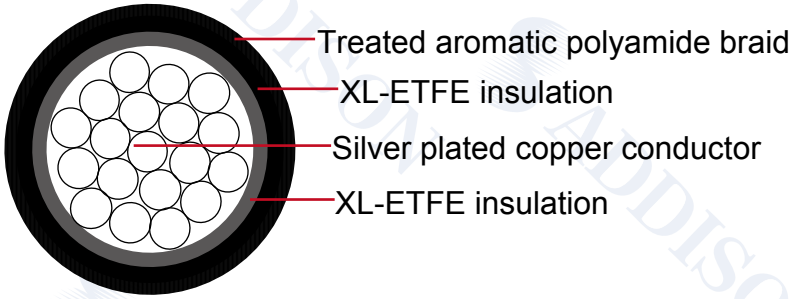
Application and Description

These XL-ETFE insulation single-core MIL-W-22759/43 wires are used for MIL-Spec and Aerospace, These normal weight, high temperature airframe and avionics wires have contrasting colored insulation layers which provide a visual indication of possible abrasion or other mechanical damage due to physical abuse during service or installation. The insulation resists high PH cleaning fluids, lubricating oils, fuel and many other chemicals , MIL-W-22759/43 wires are mechanically tough, flame retardant and weight saving.

Construction Details

Dual layers over conductor

Construction



Conductor: Silver plated copper

Insulation: Fluoropolymer Cross-linked Modified ETFE Dual

Insulating Material Thickness: 10 mil (0.25 mm)

Jacket: XL-ETFE

Braid: Treated aromatic polyamide for size 2 and larger only

Characteristics

Temperature Rating: 200°C

Voltage Rating: 600 volts

MIL-Spec Wire

SAE AS22759/43

Color Code: MIL-STD-681

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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	0.015	0.381	0.025	0.635	0.029	0.737	0.9
26	19/38	0.018	0.457	0.019	0.483	0.038	0.965	0.042	1.067	1.7
24	19/36	0.023	0.584	0.025	0.635	0.043	1.092	0.047	1.194	2.3
22	19/34	0.029	0.737	0.031	0.787	0.048	1.219	0.052	1.321	3.2
20	19/32	0.037	0.940	0.039	0.991	0.056	1.422	0.06	1.524	4.7
18	19/30	0.046	1.168	0.049	1.245	0.067	1.702	0.073	1.854	7.2
16	19/29	0.052	1.321	0.055	1.397	0.074	1.880	0.080	2.032	9.0
14	19/27	0.065	1.651	0.069	1.753	0.091	2.311	0.097	2.464	13.8
12	37/28	0.084	2.134	0.089	2.261	0.108	2.743	0.114	2.896	20.5
10	37/26	0.106	2.692	0.113	2.870	0.130	3.302	0.138	3.505	32.4
8	133/29	0.158	4.013	0.173	4.394	0.187	4.750	0.203	5.156	61.9
6	133/27	0.198	5.029	0.217	5.512	0.231	5.867	0.251	6.375	94.5
4	133/25	0.250	6.350	0.274	6.960	0.300	7.620	0.32	8.128	158.0
2	665/30	0.320	8.128	0.340	8.636	0.390	9.906	0.428	10.871	239.0
1	817/30	0.360	9.144	0.380	9.652	0.429	10.897	0.461	11.709	305.0
1/0	1045/30	0.395	10.033	0.425	10.795	0.469	11.913	0.501	12.725	385.0
2/0	1330/30	0.440	11.176	0.475	12.065	0.529	13.437	0.561	14.249	487.0