



Caledonian Military Cables

MIL-W-22759/4

Application and Description

These PTFE, FEP, and Glass insulated single-core MIL-W-22759/4 wires are used for MIL-Spec and Aerospace, government applications. These wires are used in aircraft engines and abrasion environment.

Construction Details

The first layer is PTFE either as a wrapped tape or PTFE coated glass tape. The second layer is PTFE coated glass braid and finisher. The jacket FEP is either extruded or on larger wire sizes a tape; the FEP has to be fused.

Construction

Conductor: Silver plated copper

Insulation: PTFE, FEP, and Glass

Insulating Material Thickness: 25 mil (0.6 mm) to 44 mil (1.1mm)

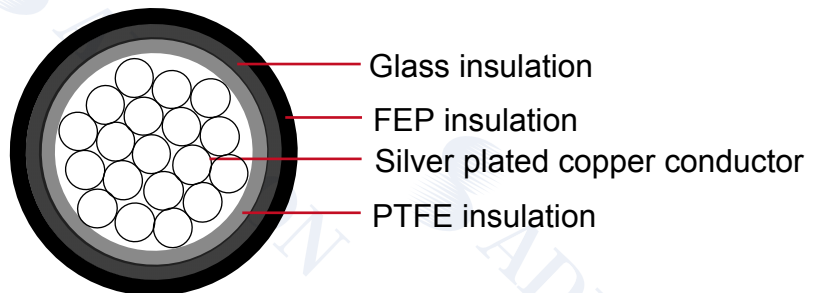
Characteristics

Temperature Rating: 200°C

Voltage Rating: 600 volts

SAE AS22759/4

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	0.724	0.030	0.772	0.071	1.803	0.077	1.956	5.9
20	19/32	0.037	0.927	0.039	0.975	0.079	2.007	0.085	2.159	7.9
18	19/30	0.046	1.156	0.048	1.229	0.092	2.337	0.098	2.489	11.0
16	19/29	0.052	1.308	0.054	1.382	0.099	2.514	0.100	2.590	13.6
14	19/27	0.065	1.638	0.068	1.737	0.112	2.845	0.120	3.048	18.5
12	37/28	0.084	2.121	0.087	2.220	0.129	3.277	0.137	3.48	26.6
10	37/26	0.106	2.692	0.110	2.794	0.159	4.039	0.171	4.343	41.5
8	133/29	0.158	4.013	0.166	4.216	0.228	5.791	0.242	6.147	77.4
6	133/27	0.198	5.029	0.208	5.283	0.272	6.909	0.292	7.417	115.0
4	133/25	0.250	6.350	0.263	6.680	0.336	8.534	0.366	9.296	184.0
2	665/30	0.320	8.128	0.340	8.636	0.415	10.541	0.445	11.303	281.0
1	817/30	0.366	9.296	0.380	9.652	0.465	11.811	0.495	12.573	358.0
1/0	1045/30	0.395	10.033	0.425	10.795	0.500	12.700	0.550	13.97	436.0
2/0	1330/30	0.440	11.176	0.475	12.065	0.560	14.224	0.610	15.494	554.0