



Caledonian Military Cables

MIL-W-22759/33

Application and Description

These XL-ETFE insulation single-core MIL-W-22759/33 wires are used for MIL-Spec and Aerospace, These cable is a light weight, high temperature airframe and avionics wire which utilizes an insulation of cross-linked, modified ethylene tetrafluoroethylene copolymer (ETFE). ETFE insulation resists high PH cleaning fluids, fuels, lubricants and many other chemicals. MIL-W-22759/33 wires are mechanically tough, flame retardant and weight saving.

Construction Details

Single layer over conductor

Construction

Conductor: Silver coated high strength copper alloy

Insulation: Fluoropolymer Cross-linked Modified ETFE Single (XL-ETFE)

Insulating Material Thickness: 6 mil (0.15 mm)

Characteristics

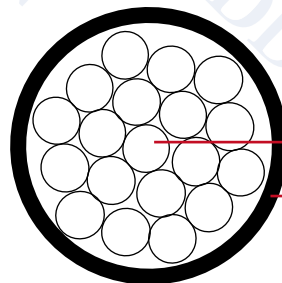
Temperature Rating: 200°C

Voltage Rating: 600 volts

MIL-Spec Wire

SAE AS22759/33

Color Code: 10 basic colors



Silver plated high strength copper conductor

XL-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	
30	7/38	0.011	0.279	0.012	0.305	0.022	0.559	0.026	0.66	0.66
28	7/36	0.014	0.356	0.016	0.406	0.025	0.635	0.029	0.737	0.91
26	19/38	0.018	0.457	0.020	0.508	0.03	0.762	0.034	0.864	1.40
24	19/36	0.023	0.584	0.026	0.660	0.035	0.889	0.039	0.991	2.00
22	19/34	0.029	0.737	0.033	0.838	0.041	1.041	0.045	1.143	2.90
20	19/32	0.037	0.94	0.041	1.041	0.048	1.219	0.052	1.321	4.40