

# Caledonian Military Cables

## MIL-W-22759/32

### Application and Description

These XL-ETFE insulation single-core MIL-W-22759/32 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.

### Construction Details

Single layer over conductor

### Construction

**Conductor:** Tinned copper

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

**Insulating Material Thickness:** 6 mil ( 0.15 mm)

### Characteristics

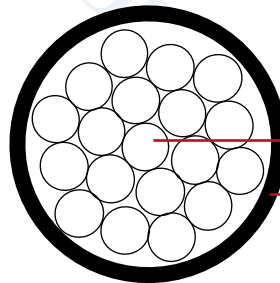
**Temperature Rating:** 150°C

**Voltage Rating:** 600 volts

MIL-Spec Wire

SAE AS22759/32

**Color Code:** 10 basic colors



Tin plated 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	0.013	0.330	0.022	0.559	0.026	0.660	1
28	7/36	0.014	0.356	0.016	0.406	0.025	0.635	0.029	0.737	1
26	19/38	0.180	4.572	0.020	0.508	0.032	0.813	0.034	0.864	2
24	19/36	0.023	0.584	0.024	0.610	0.035	0.889	0.039	0.991	2
22	19/34	0.029	0.737	0.031	0.787	0.041	1.041	0.045	1.143	3
20	19/32	0.037	0.940	0.039	0.991	0.048	1.219	0.052	1.321	4
18	19/30	0.046	1.168	0.049	1.245	0.058	1.473	0.062	1.575	7
16	19/29	0.052	1.321	0.055	1.397	0.066	1.676	0.070	1.778	8
14	19/27	0.065	1.651	0.069	1.753	0.052	1.321	0.088	2.235	13
12	19/25	0.087	2.21	0.089	2.261	0.100	2.540	0.106	2.692	20