



Caledonian Military Cables

MIL-W-22759/35

Application and Description

These ETFE insulation single-core MIL-W-22759/35 wires are used for MIL-Spec and Aerospace, these cable is a normal weight, high temperature airframe and avionics wire which utilizes a dual layer insulation of cross-linked, modified ethylene tetrafluoroethylene copolymer (ETFE). The layers have contrasting colors to provide a visual indication of possible abrasion or other mechanical damage due to physical abuse during service or installation. ETFE insulation resists high PH cleaning fluids, fuels, lubricants and many other chemicals, MIL-W-22759/34 wires are mechanically tough, flame retardant and weight saving.

Construction Details

Dual layers over conductor

Construction

Conductor: Silver coated high strength copper alloy

Insulation: Fluoropolymer Cross-linked Modified ETFE Dual

Insulating Material Thickness: 10 mil (0.25 mm)

Jacket: Cross-linked ETFE

Characteristics

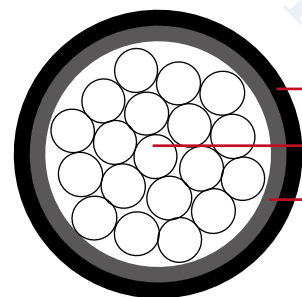
Temperature Rating: 200°C

Voltage Rating: 600 volts

MIL-Spec Wire

SAE AS22759

Color Code: 10 basic colors



XL-ETFE insulation

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	
26	19/38	0.018	0.445	0.020	0.518	0.038	0.965	0.042	1.067	1.7
24	19/36	0.023	0.572	0.024	0.620	0.043	1.092	0.047	1.194	2.3
22	19/34	0.029	0.724	0.031	0.798	0.048	1.219	0.052	1.321	3.3
20	19/32	0.037	0.927	0.040	1.003	0.056	1.422	0.06	1.524	4.8