



# Caledonian Military Cables

## MIL-W-81044/6

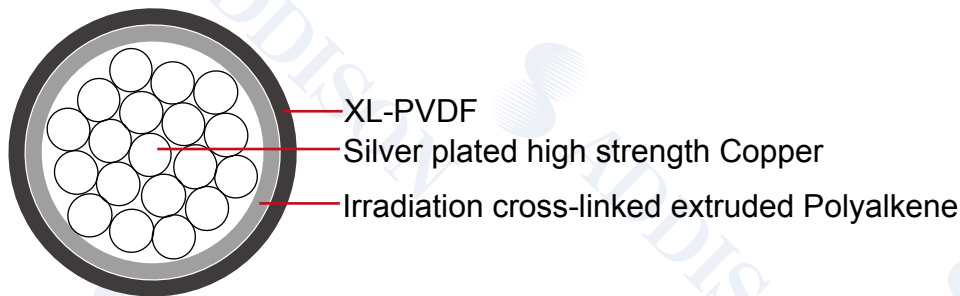
### Applications

MIL-W-81044 wire may be used for airframe, avionics, military vehicle, shipboard, missile and other electronic applications. Additionally, the dual layer, lightweight, high temperature wire offers outstanding performance that makes it suitable for many functions where high density cabling and harnessing are required, these wires have excellent resistance to cut-through, abrasion, cold flow, shrink back, notch propagation and common chemicals.

### Construction Details

The jacket is XL-PVDF

### Construction



**Conductor:** Stranded tinned copper

**Insulation:** Irradiation cross-linked extruded Polyalkene insulation

**jacket:** Extruded XL Polyvinylidene Fluoride (XL-PVDF)

**Insulating Material Thickness:** 30 mil ( 0.8 mm) to 80 mil ( 2.0mm) Does not include the over braid (see below)

### Characteristics

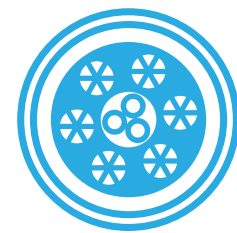
**Temperature Rating:** 150°C

**Voltage Rating:** 600 volts

MIL-W-81044/6

SAE AS81044

10 basic colors



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## Dimensions and Weight

AWG Size	Conductor Stranding	Min O.D.		Max O.D.		Approx LBS/MFT
		In	Mm	In	mm	
24	19/36	0.055	1.397	0.059	1.499	3.00
22	19/34	0.066	1.676	0.072	1.829	4.30
20	19/32	0.075	1.905	0.081	2.057	6.10
18	19/30	0.085	2.159	0.091	2.311	8.70
16	19/29	0.093	2.362	0.101	2.565	10.90
14	19/27	0.111	2.819	0.119	3.023	16.20
12	37/28	0.127	3.226	0.135	3.429	24.20
10	37/26	0.156	3.962	0.166	4.216	36.50
8	133/29	0.213	5.410	0.225	5.715	65.00
6	133/27	0.262	6.655	0.276	7.010	103.00
4	133/25	0.317	8.052	0.333	8.458	158.00
2	665/30	0.405	10.287	0.431	10.947	252.00
1	817/30	0.445	11.303	0.475	12.065	305.00
1/0	1045/30	0.491	12.471	0.525	13.335	380.00