



# Caledonian Military Cables

## MIL-W-81044/8

### 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:** Silver plated Copper

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

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

**Insulating Material Thickness:** 30 mil ( 0.8 mm) to 85 mil ( 2.2mm)

### Characteristics

**Temperature Rating:** 150°C

**Voltage Rating:** 600 volts

MIL-W-81044/7

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	0.052	1.321	0.056	1.422	2.70
22	19/34	0.059	1.499	0.065	1.651	3.90
20	19/32	0.067	1.702	0.073	1.854	5.50
18	19/30	0.077	1.956	0.083	2.108	8.00
16	19/29	0.085	2.159	0.093	2.362	10.10
14	19/27	0.104	2.642	0.112	2.845	15.50
12	37/28	0.122	3.099	0.130	3.302	23.00
10	37/26	0.150	3.810	0.160	4.064	35.70
8	133/29	0.208	5.283	0.220	5.588	62.80
6	133/27	0.257	6.528	0.271	6.883	99.30
4	133/25	0.312	7.925	0.328	8.331	153.00
2	665/30	0.388	9.855	0.412	10.465	247.00
1/0	1045/30	0.474	12.040	0.506	12.852	377.00