



# Caledonian Military Cables

## MS 27110 (Mil-W-8777 Wire)

### Application and Description:

These silicone rubber primary insulated single-core MS 27110 (Mil-W-8777 Wire) cables are used in aircraft and missiles using any combination of electrical loading and ambient temperature. It has low moisture absorption and generally good resistance to chemicals.

### Construction:

**Conductor:** Stranded, silver-coated copper conductor

**Insulation:** Silicone rubber primary insulation

**Braid:** The glass braid of tightly woven glass fibers impregnated with silicone or teflon

**Jacket:** extruded clear fluorinated ethylene (FEP)

### Characteristics:

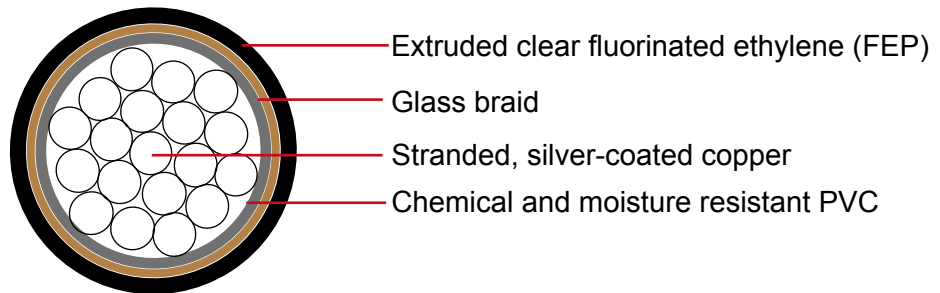
**Temperature Range:** 200°C

**Voltage Rating:** 600 volts

**MS27110**

**MIL-W-8777**

**MIL-DTL-8777**



### Dimensions and Weight:

AWG Size	Conductor Stranding	Jacket Thick	Max. O.D.		Min. O.D.		Max. Resistance (Ohm/1000' @ 20°C)	Approx LBS/MFT
			in	mm	in	mm		
22	19/34	0.007	0.090	2.286	0.082	2.083	15.20	7.1
20	19/32	0.007	0.01	0.254	0.092	2.337	9.42	9.0
18	19/30	0.007	0.112	2.845	0.104	2.642	6.03	12.1
16	19/29	0.007	0.120	3.048	0.112	2.845	4.76	14.3
14	19/27	0.008	0.145	3.683	0.137	3.480	2.99	21.5
12	19/25	0.008	0.165	4.191	0.155	3.937	1.88	30.5
10	49/27	0.008	0.199	5.055	0.189	4.801	1.16	48.0
8	133/29	.0100	0.25	6.350	0.236	5.994	0.70	75.0
6	133/27	0.010	0.299	7.595	0.285	7.239	0.44	114.0
4	133/25	0.010	0.364	9.246	0.35	8.890	0.28	173.0