



Caledonian Military Cables

MS 25471 (Mil-W-8777 Wire)

Application and Description:

These silicone rubber primary insulated single-core MS 25471 (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: Inner braid glass fibers or combination of glass fibers and polyester fibers impregnated with high temperature finisher.

Jacket: Outer jacket of polyester fiber impregnated with high temperature finisher

Characteristics:

Temperature Range: 200°C

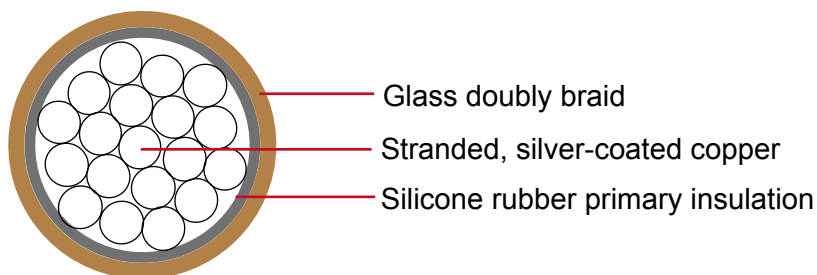
Voltage Rating: 600 volts

MS25471

MIL-W-8777

MIL-DTL-8777

Color Code: Black or White per MIL-STD-104; Tan (per MIL-W-8777 spec)



Glass doubly braid

Stranded, silver-coated copper

Silicone rubber primary insulation

Dimensions and Weight:

AWG Size	Conductor Stranding	Max. O.D.		Min. O.D.		Max. Resistance (Ohm/1000' @ 20°C)	Approx LBS/MFT
		in	mm	in	mm		
22	19/34	0.090	2.286	0.080	2.032	15.20	5.8
20	19/32	0.100	2.540	0.090	2.286	9.42	7.8
18	19/30	0.115	2.921	0.105	2.667	6.03	10.8
16	19/29	0.130	3.302	0.120	3.048	4.76	13.5
14	19/27	0.136	3.454	0.150	3.810	2.99	20.0
12	19/25	0.170	4.318	0.156	3.962	1.88	29.0
10	49/27	0.200	5.080	0.186	4.724	1.16	45.0
8	133/29	0.255	6.477	0.241	6.121	0.70	72.0
6	133/27	0.310	7.874	0.296	7.518	0.44	107.0
4	133/25	0.370	9.398	0.500	12.700	0.28	165.0
2	665/30	0.435	11.049	0.415	10.541	0.18	262.0
1	817/30	0.470	11.938	0.450	11.430	0.15	317.0
1/0	1045/30	0.550	13.970	0.520	13.208	0.15	390.0
2/0	1330/30	0.600	15.240	0.570	14.478	0.09	500.0