



Caledonian Military Cables

M81381/22

Application and Description:

These FEP/polyimide/FEP tape insulated single-core M81381/22 cables are used in aerospace applications and other challenging applications. It is well-suited to applications concerned with smoke emission and overload stability.

Construction:

Conductor: Tin coated copper

Insulation: FEP/polyimide/FEP tape insulation

Insulation Wall Thickness:

0.0065”(10 AWG and smaller), or polyamide braid (8 AWG and larger), (0.0084” or 0.0170”)

Jacket:

modified aromatic polyimide coating

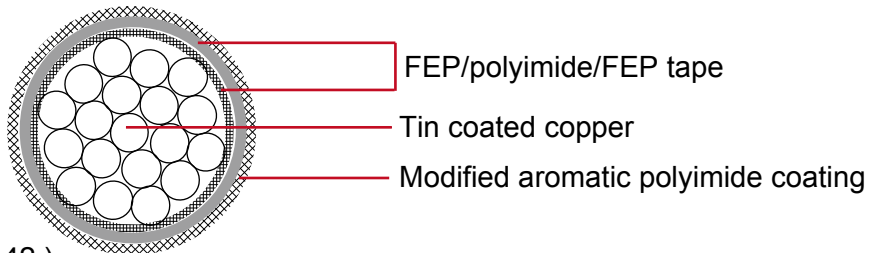
Characteristics:

Temperature Range: -55°C + 150°C

Voltage Rating: 600 volts

Color Code: MIL-STD-104 (See page 42)

10 basic colors(BLK,BRN,RED,ORN,YEL,GRN,BLU,VIO,GRY,WHT)



Dimensions and Weight:

AWG Size	Conductor Stranding	Conductor Diam. Max.		Conductor Diam. Min.		Max. O.D.		Min. O.D.		Maximum Resistance (Ohm/1000' @ 20°C)	Approx LBS/MFT
		in	mm	in	mm	in	mm	in	mm		
24	19/36	0.026	0.660	0.023	0.580	0.044	1.118	0.040	1.016	26.2	2.1
22	19/34	0.033	0.840	0.029	0.740	0.049	1.245	0.045	1.143	16.2	3.0
20	19/32	0.041	1.040	0.037	0.940	0.058	1.473	0.053	1.346	9.88	4.5
18	19/30	0.051	1.300	0.046	1.170	0.068	1.727	0.063	1.600	6.23	6.7
16	19/29	0.058	1.470	0.052	1.320	0.074	1.880	0.068	1.727	4.81	8.4
14	19/27	0.073	1.850	0.035	1.650	0.089	2.261	0.081	2.057	3.06	13.0
12	37/28	0.090	2.290	0.084	2.130	0.107	2.718	0.100	2.540	2.02	20.0
10	37/26	0.114	2.900	0.106	2.690	0.130	3.302	0.122	3.099	1.26	31.0
8	133/29	0.173	4.390	0.158	4.010	0.206	5.230	0.188	4.780	0.70	61.8
6	133/27	0.217	5.510	0.198	5.030	0.251	6.380	0.228	5.790	0.45	95.1
4	133/25	0.274	6.960	0.250	6.350	0.306	7.770	0.280	7.110	0.28	148.0
2	665/30	0.340	8.640	0.320	8.130	0.378	9.600	0.350	8.890	0.14	235.0



Caledonian Military Cables

MIL-W-76

