



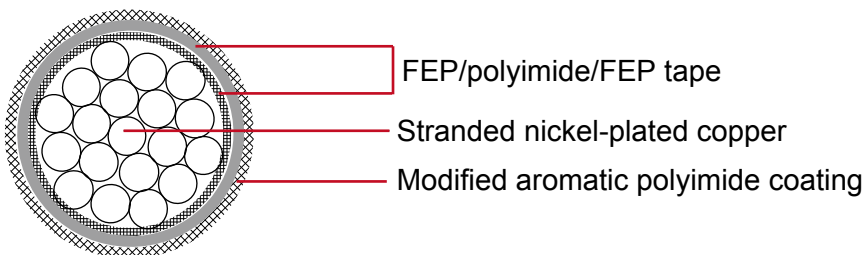
Caledonian Military Cables

M81381/8

Application and Description:

These FEP/polyimide/FEP tape insulated single-core M81381/8 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: Stranded nickel-plated copper conductor

Insulation: FEP/polyimide/FEP tape insulation

Insulation Wall Thickness: 0.0065”

Jacket: modified aromatic polyimide coating

Characteristics:

Temperature Range: -55°C + 200°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		
26	19/38	0.020	0.510	0.018	0.460	0.031	0.870	0.030	0.787	42.20	1.2
24	19/36	0.024	0.610	0.023	0.580	0.034	0.864	0.034	0.864	25.90	1.8
22	19/34	0.031	0.790	0.029	0.740	0.041	1.041	0.041	1.041	16.00	2.7
20	19/32	0.039	0.930	0.037	0.940	0.049	1.245	0.049	1.245	9.77	4.2
18	19/30	0.049	1.240	0.046	1.170	0.059	1.499	0.059	1.499	6.10	6.3
16	19/29	0.055	1.400	0.052	1.320	0.065	1.651	0.065	1.651	4.76	8.0
14	19/27	0.069	1.750	0.065	1.650	0.078	1.981	0.078	1.981	3.00	12.5
12	37/28	0.089	2.260	0.084	2.130	0.097	2.464	0.097	2.464	1.98	19.1
10	37/26	0.112	2.840	0.106	2.690	0.120	3.048	0.120	3.048	1.24	29.4