



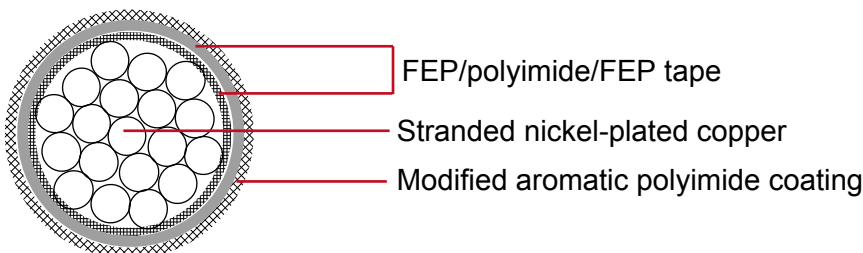
Caledonian Military Cables

M81381/18

Application and Description:

These FEP/polyimide/FEP tape insulated single-core M81381/18 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	0.030	0.762	0.028	0.711	42.20	1.2
24	19/36	0.024	0.610	0.023	0.580	0.035	0.889	0.032	0.813	25.90	1.8
22	19/34	0.031	0.790	0.029	0.740	0.041	1.041	0.038	0.965	16.00	2.6
20	19/32	0.039	0.990	0.037	0.940	0.049	1.245	0.046	1.168	9.77	4.1
18	19/30	0.049	1.240	0.046	1.170	0.058	1.473	0.055	1.397	6.10	6.3
16	19/29	0.055	1.400	0.052	1.320	0.065	1.651	0.062	1.575	4.76	7.9
14	19/27	0.069	1.750	0.065	1.650	0.078	1.981	0.075	1.905	3.00	12.3
12	37/28	0.089	2.260	0.084	2.130	0.098	2.489	0.094	2.388	1.98	19.0