



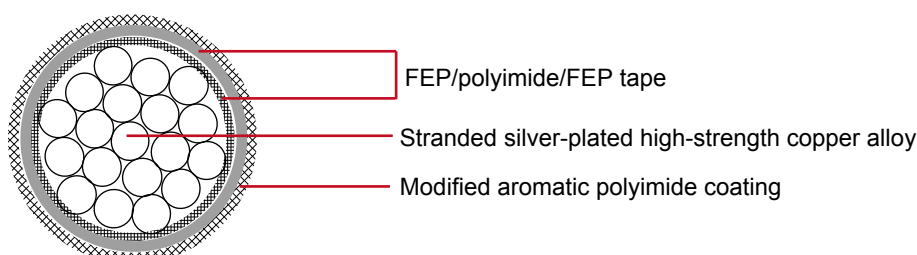
Caledonian Military Cables

M81381/19

Application and Description:

These FEP/polyimide/FEP tape insulated single-core M81381/19 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 silver-plated high-strength copper alloy 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		
30	7/38	0.012	0.300	0.011	0.280	0.024	0.610	0.021	0.533	117.40	0.6
28	7/36	0.150	0.380	0.014	0.360	0.027	0.686	0.024	0.610	74.40	0.8
26	19/38	0.200	0.510	0.018	0.460	0.030	0.762	0.028	0.711	44.80	1.2
24	19/36	0.024	0.610	0.023	0.580	0.035	0.889	0.032	0.813	28.40	1.8
22	19/34	0.031	0.790	0.029	0.740	0.041	1.041	0.038	0.965	17.50	2.6
20	19/32	0.039	0.990	0.037	0.940	0.050	1.270	0.047	1.194	10.70	4.1