



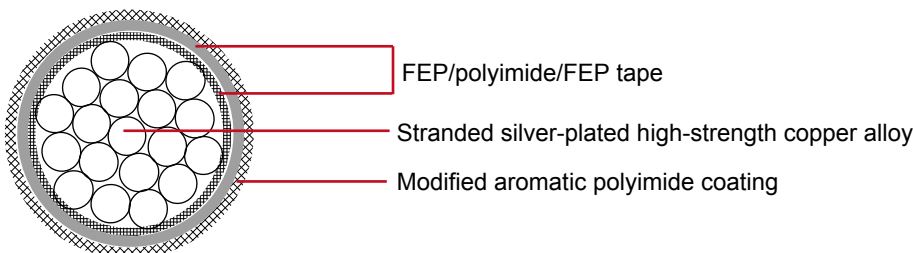
Caledonian Military Cables

M81381/20

Application and Description:

These FEP/polyimide/FEP tape insulated single-core M81381/20 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	0.013	0.330	0.011	0.280	0.024	0.610	0.021	0.533	126.6	0.6
28	7/36	0.016	0.410	0.014	0.360	0.027	0.686	0.024	0.610	79.0	0.8
26	19/38	0.020	0.500	0.018	0.460	0.030	0.762	0.028	0.711	49.4	1.2
24	19/36	0.025	0.640	0.023	0.580	0.035	0.889	0.032	0.813	30.1	1.8
22	19/34	0.031	0.790	0.029	0.740	0.041	1.041	0.038	0.965	18.6	2.6
20	19/32	0.040	1.020	0.037	0.940	0.050	1.270	0.047	1.194	11.4	4.1