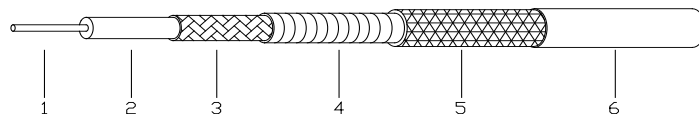


MB103



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	0.56	0.0220
2. Dielectric	ND PTFE	1.7	0.0669
3. Outer Conductor	Silver Plated Copper Tape	1.85	0.0669
4. Outer Conductor	Aluminum Thin	1.98	0.0780
5. Outer Shields	Outer Braid Str. Stl	2.24	0.0882
6. Jacket	Blue FEP	2.64	0.1039

Electrical Characteristics

Impedance	50 ohm
Velocity of Propagation	75%
Operation Frequency (GHz)	50 GHz
Voltage Withstand (V.DC)	500 V
Shielding Effectiveness	90 dB

Mechanical Characteristics

Min.Bending Radius (mm)	5.08
Min.Dynamic Radius (mm)	10.16
Weight	17 g/m

Environmental Characteristics

Operating Temp(°C)	-55~+165
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Attenuation & Average Power @ 20°C and Seal Leavel

Frequency(GHz)	Attenuation		Avg.Power (W)
	dB/1m	dB/1Ft	
0.3	0.326	0.10	500
1.0	0.601	0.18	271
2	0.858	0.26	190
4	1.228	0.37	133
6	1.519	0.46	107
10	1.99	0.61	82
12	2.194	0.67	74
14	2.383	0.73	68
16	2.561	0.78	64
18	2.729	0.83	60
26.5	3.372	1.03	48
40	4.24	1.29	38
50	4.809	1.46	34