


Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	0.91	0.036
2. Dielectric	LD PTFE	2.50	0.098
3.Outer Conductor	Sprial Wrapped Silver Plated Copper Tape	2.70	0.106
4. Interlayer	High temperature aluminum thin	3.00	0.118
5. Outer shields	Silver Plated Copper Braid	3.46	0.136
6. Jacket	GREY FEP	3.90	0.154

Electrical Characteristics

Impedance	50 ohm
Velocity of Propagation	81%
Operation Frequency (GHz)	40 GHz
Dielectric withstanding voltage	900 VRMS
Shielding Effectiveness	90 dB

Mechanical Characteristics

Min.Bending Radius Static (mm)	18	0.7087
Min.Bending Radius Repeated(mm)	36	1.4173
Weight (g/m)	35	1.3780

Environmental Characteristics

Operating Temperature Range(°C)	-55~+165
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Attenuation & Average Power @ 20°C and Sea Level

Frequency(MHz)	Attenuation		Power(KW CW)
	dB/1m	dB/1Ft	
300	0.204	0.06	0.940
1000	0.375	0.11	0.511
2000	0.534	0.16	0.359
4000	0.761	0.23	0.252
6000	0.938	0.29	0.204
8000	1.089	0.33	0.176
10000	1.223	0.37	0.157
12000	1.346	0.41	0.142
14000	1.460	0.45	0.131
18000	1.667	0.51	0.115
20000	1.762	0.54	0.109
26500	2.048	0.62	0.094
40000	2.557	0.78	0.075