



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Sliver Plated Copper	0.91	0.036
2. Dielectric	LD PTFE	2.50	0.098
3. Outer Conductor	Sprial Wrapped Silver Plated Copper Tape +Silver Plated Copper Braid	3.06	0.120
4. Jacket	Gray FEP	3.60	0.142

Electrical Characteristics

Impedance	50 Ω
Velocity of Propagation	83%
Operation frequency	40 GHz
Voltage Withstand(V.DC)	900 V
Shielding Effectiveness	90 dB

Mechanical Characteristics

Min.Bending Radius (mm)	18
Weight(Kg/Km)	33

Environmental Characteristics

Operating Temperature Range(°C)	-55~+125
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Attenuation & Average Power @ 20°C and Sea Level

Frequency(GHz)	Attenuation		Power(W)
	dB/m	dB/Ft	
0.1	0.117	0.04	1634
0.3	0.204	0.06	940
1.0	0.375	0.11	511
2.0	0.534	0.16	359
4.0	0.761	0.23	252
6.0	0.938	0.29	204
8.0	1.089	0.33	176
10.0	1.223	0.37	157
12.0	1.346	0.41	142
14.0	1.460	0.45	131
18.0	1.667	0.51	115
20.0	1.762	0.54	109
26.5	2.048	0.62	94
40.0	2.557	0.78	75

Phase Stability vs Temperature(PPM)

