



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Stranded Silver Plated Copper(19x0.19)	0.91	0.0358
2. Dielectric	LD PTFE	2.75	0.1083
3. Outer Conductor	Silver Wrapped Silver Plated Copper Tape	2.90	0.1142
4. Interlayer	PTFE	3.20	0.1260
5. Outer shields	Silver Plated Copper Braid	3.55	0.1398
6. Jacket	BLUE PUR	4.50	0.1772

Electrical Characteristics

Impedance	50 Ω
Velocity of Propagation	75%
Withstand voltage	900 VDC
Cutoff frequency	40 GHz
Shielding Effectiveness	90 dB
Bending Phase	±6° @40GHz
Amplitude Stabilization	±0.10dB @40GHz

Mechanical Characteristics

Min.Bending Radius Static (mm)	20	0.787
Min.Bending Radius Repeated(mm)	45	1.772
Weight(Kg/Km)	37	

Environmental Characteristics

Operating Temperature Range(°C)	-55~+85
Installation Temp.(°C)	-55~+85
Storage Temperature Range(°C)	-65~+85

Attenuation & Average Power @ 20°C and Sea Level

Frequency(MHz)	Attenuation		Power(KW)
	dB/100m	dB/100Ft	
300	22.30	6.80	0.780
1000	41.30	12.59	0.421
2000	59.10	18.01	0.294
3000	73.10	22.28	0.238
6000	105.60	32.19	0.165
8000	123.20	37.55	0.141
10000	139.10	42.40	0.125
14000	167.30	50.99	0.104
18000	192.40	58.64	0.090
26500	239.30	72.94	0.073
30000	256.90	78.30	0.068
40000	303.30	92.45	0.057