


Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper Clad Steel	0.94	0.037
2. Dielectric	PTFE	2.98	0.117
3.Outer Conductor	Silver Plated Copper Tape	3.25	0.128
4. Interlayer	High temperature aluminum thin	3.35	0.132
5. Outer shields	Silver Plated Copper Braid	3.90	0.154
6. Jacket	Transparent FEP	4.85	0.191

Electrical Characteristics

Impedance	50 ohm
Velocity of Propagation	70%
Operation Frequency (GHz)	18 GHz
Dielectric withstanding voltage	1000 VRMS
Shielding Effectiveness	100 dB
Amplitude	±0.15 dB

Mechanical Characteristics

Min.Bending Radius Static (mm)	24	0.9449
Min.Bending Radius Repeated(mm)	48	1.8898
Weight (g/m)	55	2.1654

Environmental Characteristics

Operating Temperature Range(°C)	-55~+165
---------------------------------	----------

Attenuation & Average Power @ 20°C and Sea Level

Frequency(MHz)	Attenuation		Power(KW CW)
	dB/100m	dB/100Ft	
300	21.0	6.41	1.822
1000	40.0	12.20	0.954
2000	58.9	17.96	0.648
4000	87.9	26.81	0.434
6000	112.0	34.16	0.341
8000	133.6	40.75	0.286
10000	153.5	46.82	0.249
12000	172.3	52.55	0.222
13500	185.8	56.67	0.206
14000	190.2	58.01	0.201
16000	207.4	63.26	0.184
18000	224.0	68.32	0.170