



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Stranded Silver Plated Copper (19)	1.45	0.0571
2. FEP LAYER	FEP	1.63	0.0642
3. Dielectric	LD PTFE	3.90	0.1535
4. Outer Conductor	Silver Plated Copper Tape	4.12	0.1622
5. Interlayer	PTFE	4.40	0.1732
6. Braid	Silver Plated Round Copper Wire	4.76	0.1874
7. Jacket	FEP (Light Blue With Gold Line)	5.30	0.2087

Electrical Characteristics

Impedance	50 ohm
Velocity of Propagation	83%
Withstand Voltage(V,DC)	1500
Shielding Effectiveness	90 dB
Operating Frequency	26.5 GHz

Mechanical Characteristics

Min.Bending Radius Static (mm)	28	1.1024
Min.Bending Radius Repeated(mm)	55	2.1654
Weight(g/m)	63	

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)
	dB/100m	dB/100Ft	
100	7.19	2.19	2.794
300	14.2	4.33	1.250
1000	26.6	8.11	0.670
2000	38.3	11.67	0.465
4000	55.6	16.95	0.320
6000	69.5	21.18	0.256
8000	81.5	24.84	0.218
10000	92.4	28.16	0.193
12000	102.6	31.27	0.174
14000	112	34.14	0.159
18000	129.7	39.53	0.137
20000	138	42.06	0.129
26500	163.1	49.71	0.109

Phase Stability vs Temperature(PPM)

