



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	32 AWG (1/32) SS304	0.20	0.008
2. Dielectric	ETCHED FEP (COLOR:NATURAL) WITH AN OVERALL GRAPHITE COATING	0.41	0.016
3. Outer Conductor	42 AWG SS304 BRAID SHIELD	0.69	0.027

Electrical Characteristics

Impedance	50 ohm
Velocity of Propagation	70%
Max.Operating Voltage	1.0 kVrms
Cut-off frequency	109GHz
Min.Screening Effectiveness up to 18GHz	100 dB
Capacitance	95.1PF/m 29.10 PF/Ft
Time Delay	4.7 ns/m 1.43 ns/Ft

Mechanical Characteristics

Min.Bending Radius Static	4mm	.157inch
Min.Bending Radius Repeated	20mm	.787inch

Environmental Characteristics

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

Frequency(GHz)	Attenuation		Power(Watts CW)
	dB/100m	dB/100Ft	
0.5	79.0	24.09	62.2
1.0	112.0	34.15	43.7
5.0	258.0	78.66	19.1
10.0	431.0	131.40	13.3
18.0	603.0	183.84	9.2