



### Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	0.925±0.02	.0364±0.0008
2. Dielectric	PTFE	2.92±0.05	.1150±0.002
3. Outer Conductor	Tin Soaked Copper Braid	3.40±0.10	.1339±0.004
4. Jacket	Blue FEP	4.10±0.05	.1614±0.002

### Electrical Characteristics

Capacitance	98 PF/m	29.99 PF/Ft
Impedance	50ohm	
Velocity of Propagation	70%	
Time Delay	4.7 nS/m	1.433 nS/ft
Max. Operating Voltage	3.0 kVrms	
MAX. Operating frequency	18 GHz	
Shielding Effectiveness	100 dB	

### Mechanical Characteristics

Min.Bending Radius Static	8 mm	0.315 inch
Weight(g/m)	40.3	

### Environmental Characteristics

Operating Temperature Range(°C)	-65~+150
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### Attenuation & Average Power @ 20°C and Sea Level

Frequency(GHz)	Attenuation		Avg.Power(W)
	dB/m	dB/Ft	
0.5	0.28	0.09	790
1.0	0.42	0.13	526
2.0	0.64	0.20	351
3.0	0.80	0.24	277
5.0	1.08	0.33	205
10.0	1.63	0.50	137
18.0	2.28	0.69	97