



### Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	1.65±0.015	.0650±0.0006
2. Dielectric	PTFE	5.25±0.08	.2067±0.003
3. Outer Conductor	Tin Soaked Copper Braid	6.30±0.10	.2480±0.039
4. Jacket	Blue FEP	6.85±0.10	.2697±0.039

### Electrical Characteristics

Impedance	50 ohm
Velocity of Propagation	70%
Capacitance)	98pF/m      29.99pF/Ft
Time Delay	4.7 nS/m      1.433 nS/ft
Max.Operating Voltage	3.0 kVrms
Operating frequency	18 GHz
Min.Screening Effectiveness up to 1GHz	100 dB

### Mechanical Characteristics

Min.Bending Radius Static	30mm      1.181 inch
Tensile Strength(N)	1400
Weight(g/m)	138

### Environmental Characteristics

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

Frequency(GHz)	Attenuation		Power(CW)
	dB/100m	dB/100Ft	
0.5	16	4.88	1831
1.0	24	7.32	1188
2.0	37	11.28	771
3.0	48	14.63	598
5.0	65	19.81	435
10.0	99	30.18	282
18.0	142	43.28	196