

**RoHS
Compliant**



Construction

Item	Material	Diameter	
		Inches	mm
Inner conductor	Silver Plated Copper	0.0641 ±0.001	1.63 ±0.03
Dielectric	PTFE	0.209 ±0.002	5.3 ±0.05
Outer conductor	Copper tube / tin-plated copper tube	0.250 ±0.001	6.35 ±0.03

Electrical Characteristics

Capacitance	: 95.1pF/m
Impedance	: 50 ±0.5Ω
Velocity of propagation	: 69.5%
Inner Conductor DCR	: 8.4Ω/km
Max. Operating Frequency	: 18GHz
Max. Operating Voltage	: 3000 RMS
Min. Inside Bend Radius	: 22.2mm
Min. Corona Extinction Voltage	: 3000Vrms
Min. Voltage Withstand	: 7500Vrms
Operating temperature range	: -55°C to +125°C

Attenuation and Average Power (at 20 °C and Sea Level)

Frequency (GHz)	Attenuation		Average Power (Watts CW)
	(dB/ft)	(dB/meter)	
0.5	0.05	0.16	1,332.1
1	0.07	0.23	914.6
5	0.17	0.56	364.4
10	0.27	0.89	238.2
18	0.48	1.57	200

Part Number Table

Description	Part Number
Cable, Coax, Semi Rigid, 1m	RG401

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