

Construction

Item	Material	Diameter (Inch / mm)	
Inner conductor	Silver plated copper clad steel	0.0201 ±0.0005	0.51 ±0.013
Dielectric	PTFE	0.066 ±0.01	1.68 ±0.03
Outer conductor	Seamless copper tube	0.0865 ±0.01	2.2 ±0.03

Electrical Characteristics

Capacitance (pF/m)	: 95.1
Impedance (Ω)	: 50 ±1.5
Velocity of propagation (%)	: 69.5
Inner conductor DCR (Ohm / km)	: 84.3
Maximum operating frequency (GHz)	: 20
Maximum operating voltage (RMS)	: 1,500
Corona extinction voltage (Vrms at 60 Hz)	: 1,500
Voltage withstanding (Vrms at 60 Hz)	: 5,000
Operating temperature range (°C)	: -55 to +125

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

Frequency (GHz)	Attenuation		Average Power (Watts CW)
	(dB/ft)	(dB/meter)	
0.5	0.14	0.46	232
1	0.2	0.66	162.4
5	0.46	1.51	69.8
10	0.68	2.23	47.9
20	1	3.28	32.6

Part Number Table

Description	Part Number
Cable, Coax, Semi Rigid, RG405, 1M	RG405

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