



## Electrical Characteristics

Capacitance	: 95.1 pF/m
Impedance	: 50Ω ±1.5Ω
Velocity of Propagation	: 69.5%
Inner Conductor DCR	: 84.3Ω/km
Max. Operating Frequency	: 20GHz
Max. Operating Voltage	: 1,500 RMS
Corona Extinction Voltage	: 1,500Vrms at 60 Hz
Voltage withstanding	: 5,000Vrms at 60 Hz
Operating Temperature Range	: -55°C to +125°C

## 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

## 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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