

Coax Cable RG402

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Electrical Characteristics

Capacitance (pF/m)	: 95.1
Impedance (Ω)	: 50 \pm 1
Velocity of propagation (%)	: 69.5
Inner conductor DCR	: 67.6
Max. operating frequency (GHz)	: 20
Max. operating voltage (RMS)	: 1,900
Min. inside bend radius (mm)	: 12.5
Min. corona extinction voltage (Vrms)	: 1,900
Min. voltage withstand (Vrms)	: 5,000
Operating temperature range	: -55°C to +125°C

Construction

Item	Material	Diameter (Inch / mm)	
Inner Conductor	Silver Plated Copper	0.0362 \pm 0.0007	0.92 \pm 0.02
Dielectric	PTFE	0.1175 \pm 0.001	2.98 \pm 0.03
Outer Conductor	Copper Tube	0.141 \pm 0.001	3.58 \pm 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	0.08	0.26	600.5
1	0.11	0.37	417.5
5	0.28	0.91	174.4
10	0.42	1.36	117.5
20	0.64	2.09	77.9

Part Number Table

Description	Part Number
Coax Cable, Semi Rigid, RG402, 1m	RG402

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