

## Construction

Item	Material	Diameter	
		(Inch)	(mm)
Inner Conductor	Copper Covered Steel - CCS	0.023 ±0.001	0.58 ±0.03
Dielectric	Solid PE	0.146 ±0.004	3.7 ±0.1
Shield	80% Copper Braid	0.185 ±0.004	4.7 ±0.1
Jacket	PVC-black	0.242 ±0.004	6.15 ±0.1

## Electrical Characteristics

Impedance	: 75Ω ±3Ω
Capacitance	: 67pF/m
Velocity of Propagation	: 66%
Max. Operating Frequency	: 1GHz
Max. Operating Voltage	: 1700 <sub>RMS</sub>
Corona Extinction Voltage	: 2300V <sub>RMS</sub>
Voltage Withstand	: 7000V <sub>RMS</sub>
Spark Test	: 5000V <sub>RMS</sub>
Operating Temp. Range	: -40°C to +85°C

## Attenuation (@20°C)

Frequency (MHz)	Max. Attenuation (dB/100ft)	Max. Attenuation (dB/100m)
10	1.1	3.6
50	2.6	8.5
100	3.4	11.1
200	5.2	16.9
400	7.2	23.5
600	9.2	30.2
860	10.9	35.6
1000	12	39.5

## Part Number Table

Description	Length	Part Number
Coaxial Cable, RG59, PVC, Black	Per Meter or 100 Meter	RG59

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