

## Construction

Item	Material	Diameter	
		(Inch)	(mm)
Inner Conductor	Silver Plated Copper	0.035 ±0.001	0.9 ±0.03
Dielectric	Solid PE	0.116 ±0.004	2.95 ±0.1
First Shield	93% Silver Plated Copper Braid	0.142 ±0.004	3.6 ±0.1
Second Shield	88% Silver Plated Copper Braid	0.165 ±0.004	4.2 ±0.1
Jacket	PVC-black	0.209 ±0.004	5.3 ±0.1

## Electrical Characteristics

Impedance	: 50Ω ±2Ω
Capacitance	: 101pF/m
Velocity of Propagation	: 66%
Max. Operating Frequency	: 12.4GHz
Max. Operating Voltage	: 1900 <sub>RMS</sub>
Corona Extinction Voltage	: 1900V <sub>RMS</sub>
Voltage Withstand	: 5000V <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)
50	3.2	10.5
200	6.3	20.7
400	9.1	29.8
600	10.8	35.5
860	13.3	43.5
1000	14.6	47.8
3000	25.4	83.2

## Part Number Table

Description	Length	Part Number
Coaxial Cable, Double Shield, RG223, PVC, Black	Per Meter or 100 Meter	RG223

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