

Construction

Item	Material	Diameter	
		(Inch)	(mm)
Inner Conductor	Stranded Bare Copper	7/0.029 ±0.001	7/0.75 ±0.03
Dielectric	Solid PE	0.285 ±0.007	7.25 ±0.18
Shield	90% Bare Copper Braid	0.321 ±0.007	8.15 ±0.18
Jacket	PVC-black	0.406 ±0.007	10.3 ±0.18

Electrical Characteristics

Impedance	: 50Ω ±2Ω
Capacitance	: 101pF/m
Velocity of Propagation	: 66%
Max. Operating Frequency	: 1GHz
Max. Operating Voltage	: 3700 _{RMS}
Corona Extinction Voltage	: 5000V _{RMS}
Voltage Withstand	: 10000V _{RMS}
Spark Test	: 5000V _{RMS}
Operating Temp. Range	: -40°C to +85°C

Attenuation (@20°C)

Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)
10	0.6	1.8
50	1.3	4.3
100	1.9	6.2
200	2.9	9.5
400	4.2	13.8
600	5.5	18.2
860	6.8	22.3
1000	7.5	24.5

Part Number Table

Description	Length	Part Number
Coaxial Cable, RG213B, PVC, Black	Per Meter or 100 Meter	RG213

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