

**RG214****Construction**

Item	Material	Diameter (inch/mm)	
Inner Conductor	Silver Plated Copper	7/0.029	7/0.75
Dielectric	Solid PE	0.285	7.24
First Shield	96% Silver Plated Copper Braid	0.311	7.91
Second Shield	96% Silver Plated Copper Braid	0.338	8.58
Jacket	PE	0.421	10.70

**Electrical Characteristics**

Impedance ( $\Omega$ )	50+/-2
Capacitance (pF/m)	101.0
Velocity of Propagation (%)	66.0
Conductor DCR(Ohm/km)	5.6
Max Operating Voltage(VRMS)	3700.0
Corona Extinction voltage(VRMS)	5000.0
Voltage Withstand(VRMS)	10000.0
Spark Test(VRMS)	5000.0
Operating Temp Range( $^{\circ}\text{C}$ )	-40 to 85

**Attenuation & Average Power( @ 20  $^{\circ}\text{C}$ )**

Frequency (MHz)	Max Attenuation dB/100ft	Max Attenuation dB/100m
50	1.4	4.5
100	2.1	6.9
200	3.4	11.1
400	5.5	18.0

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