

**RG214/U****Construction**

	Material	Diameter (inch/mm)	
Inner Conductor	Silver Plated Copper	<b>7/0.029</b>	<b>7/0.75</b>
Dielectric	Solid PE	<b>0.285</b>	<b>7.25</b>
First Shield	95% Silver Plated Copper Braid	0.315	8.00
Second Shield	95% Silver Plated Copper Braid	0.344	8.75
Jacket	PVC	<b>0.425</b>	<b>10.80</b>

**Electrical Characteristics**

Capacitance (pF/m)	101.0
Impedance ( $\Omega$ )	50.0
Velocity of Propagation (%)	66.0
Conductor DCR (Ohm/km)	5.6
Outer Shield DCR (Ohm/km)	2.3
Max Operating Frequency (MHz)	11000.0
Max Operating Voltage (RMS)	3700.0
Operating Temp Range ( $^{\circ}\text{C}$ )	-40 to 85

**Attenuation ( 20  $^{\circ}\text{C}$ )**

Frequency(MHz)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)
10	0.5	1.6
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
1500	9.6	31.5
2000	11.1	36.4
3000	14.2	46.6
5000	19.6	64.2
11000	34.2	112.2