

**RG223/U Double shield****Construction**

	Material	Diameter (inch/mm)	
Inner Conductor	Silver Plated Copper	0.035	0.90
Dielectric	Solid PE	0.116	2.95
First Shield	95% Silver Plated Copper Braid	0.142	3.60
Second Shield	95% Silver Plated Copper Braid	0.165	4.20
Jacket	PVC	0.209	5.30

**Electrical Characteristics**

Capacitance (pF/m)	101.0
Impedance ( $\Omega$ )	50.0
Velocity of Propagation (%)	66.0
Conductor DCR (Ohm/km)	28.9
Outer Shield DCR (Ohm/km)	8.2
Max Operating Frequency (MHz)	12400.0
Max Operating Voltage (RMS)	1900.0
Operating Temp Range ( $^{\circ}\text{C}$ )	-40 to 85

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

Frequency(MHz)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)
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
5000	33.5	109.9
11000	54.1	177.5