

RG174 /U**Construction**

	Material	Diameter (inch/mm)	
Inner Conductor	Copper Covered Steel	7/0.0063	7/0.16
Dielectric	Solid PE	0.060	1.52
Shield	85% Tinned Copper Braid	0.079	2.00
Jacket	PVC	0.110	2.80

Electrical Characteristics

Capacitance (pF/m)	101.0
Impedance (Ω)	50.0
Velocity of Propagation (%)	66.0
Conductor DCR (Ohm/km)	318.2
Outer Shield DCR (Ohm/km)	35.1
Max Operating Frequency (MHz)	1000.0
Max Operating Voltage (RMS)	1500.0
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	3.3	10.8
50	6.1	20.0
100	7.8	21.0
200	13.0	42.5
400	16.9	55.6
600	21.0	68.8
860	26.2	86.1
1000	29.3	96.2