

RG59 CCA**Construction**

	Material	Diameter (inch/mm)	
Inner Conductor	Copper Covered Steel	0.023	0.58
Dielectric	Solid PE	0.146	3.70
Shield	90% Copper Clad Aluminum wire-CCA	0.177	4.50
Jacket	PVC	0.240	6.10

Electrical Characteristics

Capacitance (pF/m)	67.0
Impedance (Ω)	75.0
Velocity of Propagation (%)	66.0
Conductor DCR (Ohm/km)	160.8
Outer Shield DCR (Ohm/km)	8.5
Max Operating Frequency (MHz)	1000.0
Max Operating Voltage (RMS)	1700.0
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	1.2	4.1
50	2.9	9.5
100	3.7	12.1
200	5.6	18.4
400	7.6	25.0
600	9.8	32.2
860	11.5	37.6
1000	12.6	41.5