



## Coaxial cable RG58

### Construction

	Material	Diameter(mm)
Inner Conductor	BC/ TC	0.18
Dielectric	Solid PE	2.95
Shield	BC/TC Braid	3.55
Jacket	PVC	4.95

### Electrical Characteristics

Capacitance (pF/m)	101.0
Impedance ( $\Omega$ )	50.0
Velocity of Propagation (%)	66.0
Conductor DCR (Ohm/km)	35.4
Outer Shield DCR (Ohm/km)	13.5
Max Operating Frequency (MHZ)	1000.0
Max Operating Voltage (RMS)	1900.0
Operating Temp Range ( $^{\circ}\text{C}$ )	-40to 85

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

Frequency (MHZ)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)
10	1.5	4.9
50	3.3	10.9
100	4.7	15.5
200	7.5	24.5
400	10.6	34.8
600	12.1	39.6
860	17.2	56.4
1000	18.4	60.5

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