



Coaxial cable RG8

Construction

	Material	Diameter(mm)
Inner Conductor	BC	2.75
Dielectric	Foam PE	7.25
First Shield	AL Foil	
Second Shield	TC Braid	95%
Jacket	PVC	10.30

Electrical Characteristics

Capacitance (pF/m)	82.0
Impedance (Ω)	50.0
Velocity of Propagation (%)	82.0
Conductor DCR (Ohm/km)	3.9
Outer Shield DCR (Ohm/km)	3.6
Max Operating Voltage (RMS)	4000.0
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	1.0	3.3
100	1.4	4.6
200	1.8	5.9
400	2.6	8.5
600	3.0	9.8
860	4.1	13.5
1000	4.5	14.8
1500	5.5	18.0
2000	6.6	21.7
3000	8.5	27.9
4000	9.9	32.5
5800	11.1	36.5

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