



Coaxial Cable

RG178 B/U

Construction

	Material	Diameter (inch/mm)	
Inner Conductor	Silver Plated Copper Clad Steel	7/0.004	7/ 0.10
Dielectric	PTFE	0,033	0,84
Shield	95% Silver Plated Copper Braid	0,051	1,3
Jacket	FEP	0,071	1,8

Electrical Characteristics

Capacitance (pF/m)	96,5
Impedance (Ω)	50
Velocity of Propagation (%)	69,5
Conductor DCR (Ohm/km)	800,5
Outer Shield DCR (Ohm/km)	47,9
Max Operating Frequency (MHz)	3.000
Max Operating Voltage (RMS)	1.000
Operating Temp Range ($^{\circ}\text{C}$)	-55 to 200

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

Frequency(MHz)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)
10	5,6	18,4
50	10,5	34,4
100	14	45,9
200	19	62,3
400	28	91,9
700	37	121,4
900	42,5	139,4
1000	46	150,9
3000	79,8	262