

**RG178 B/U****Construction**

	Material	Diameter (inch/mm)	
Inner Conductor	Silver Plated Copper Clad Steel	<b>7/0.004</b>	<b>7/ 0.10</b>
Dielectric	PTFE	<b>0.033</b>	<b>0.84</b>
Shield	95% Silver Plated Copper Braid	0.051	1.30
Jacket	FEP	<b>0.071</b>	<b>1.80</b>

**Electrical Characteristics**

Capacitance (pF/m)	96.5
Impedance ( $\Omega$ )	50.0
Velocity of Propagation (%)	69.5
Conductor DCR (Ohm/km)	800.5
Outer Shield DCR (Ohm/km)	47.9
Max Operating Frequency (MHz)	3000.0
Max Operating Voltage (RMS)	1000.0
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	14.0	45.9
200	19.0	62.3
400	28.0	91.9
700	37.0	121.4
900	42.5	139.4
1000	46.0	150.9
3000	79.8	262.0