

**RG180 B/U****Construction**

	<b>Material</b>	<b>Diameter (inch/mm)</b>	
Inner Conductor	Silver Plated Copper Clad Steel	<b>7/ 0.004</b>	<b>7/ 0.10</b>
Dielectric	PTFE	<b>0.102</b>	<b>2.59</b>
Shield	91% Silver Plated Copper Braid	0.118	3.00
Jacket	FEP	<b>0.141</b>	<b>3.58</b>

**Electrical Characteristics**

Capacitance (pF/m)	50.2
Impedance ( $\Omega$ )	95.0
Velocity of Propagation (%)	70.0
Conductor DCR (Ohm/km)	800.5
Outer Shield DCR (Ohm/km)	21.3
Max Operating Frequency (MHz)	1000.0
Max Operating Voltage (RMS)	1500.0
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	3.3	10.8
50	4.6	15.1
100	5.7	18.7
200	9.6	31.5
400	12.5	41.0
700	16.9	55.4
900	17.9	58.7
1000	20.0	65.6