

**RG187 A/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>0.063</b>	<b>1.60</b>
Shield	95% Silver Plated Copper Braid	0.081	2.06
Jacket	PTFE	<b>0.103</b>	<b>2.62</b>

**Electrical Characteristics**

Capacitance (pF/m)	64.0
Impedance ( $\Omega$ )	75.0
Velocity of Propagation (%)	69.5
Conductor DCR (Ohm/km)	800.5
Outer Shield DCR (Ohm/km)	27.9
Max Operating Frequency (MHz)	1000.0
Max Operating Voltage (RMS)	1200.0
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	5.3	17.4
50	8.5	27.9
100	10.0	32.8
200	12.5	41.0
400	16.0	52.5
700	19.7	64.6
900	22.3	73.2
1000	24.0	78.7