

Coaxial Cable

RG187 A/U

Construction

	Material	Diameter (inch/mm)	
Inner Conductor	Silver Plated Copper Clad Steel	7/ 0.004	7/ 0.10
Dielectric	PTFE	0.063	1.60
Shield	95% Silver Plated Copper Braid	0.081	2.06
Jacket	PTFE	0.103	2.62

Electrical Characteristics

Capacitance (pF/m)	64.0
Impedance (Ω)	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