

## Coaxial Cable



# RG316/U

### Construction

	Material	Diameter (inch/mm)	
Inner Conductor	Silver Plated Copper Clad Steel	7/ 0.0067	7/ 0.17
Dielectric	PTFE	0,06	1,52
Shield	95% Silver Plated Copper Braid	0,078	1,98
Jacket	FEP	0.000	2,49

### Electrical Characteristics

Capacitance (pF/m)	95
Impedance ( $\Omega$ )	50
Velocity of Propagation (%)	69,5
Conductor DCR (Ohm/km)	277,2
Outer Shield DCR (Ohm/km)	20
Max Operating Frequency (MHz)	3.000
Max Operating Voltage (RMS)	1.200
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	2,7	8,9
50	5,6	18,4
100	8,3	27,2
200	11	36,1
400	16,7	54,8
700	22,8	74,8
900	26,3	86,3
1000	27,5	90,2
3000	47,3	155,2