

Coaxial Cable

RG302/U

Construction

	Material	Diameter (inch/mm)	
Inner Conductor	Silver Plated Copper Clad Steel	0.025	0.64
Dielectric	PTFE	0.146	3.71
Shield	95% Silver Plated Copper Braid	0.166	4.21
Jacket	FEP	0.202	5.13

Electrical Characteristics

Capacitance (pF/m)	63.7
Impedance (Ω)	75.0
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)	2300.0
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	1.2	3.9
50	8.0	26.2
100	3.7	12.1
200	5.4	17.7
400	7.6	24.9
1000	11.8	38.7
3000	21.5	70.5