



Coaxial Cable

RG142 B/U Double shield

Construction

	Material	Diameter (inch/mm)	
Inner Conductor	Silver Plated Copper Clad Steel	0,037	0,94
Dielectric	PTFE	0,116	2,95
First Shield	95% Silver Plated Copper Braid	0,142	3,6
Second Shield	95% Silver Plated Copper Braid	0,165	4,2
Jacket	Brown FEP	0.000	4,95

Electrical Characteristics

Capacitance (pF/m)	97
Impedance (Ω)	50
Velocity of Propagation (%)	70
Conductor DCR (Ohm/km)	63,3
Outer Shield DCR (Ohm/km)	08
Max Operating Frequency (MHz)	8.000
Max Operating Voltage (RMS)	1900
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	1,1	3,6
50	2,6	8,5
100	3,8	12,5
200	5,4	17,7
400	7,9	25,9
700	10,7	35,1
900	12,3	40,4
1000	13,1	43
2000	19,3	63,3
3000	24,2	79,4
5000	32,6	107
8000	43,2	141,7