

Hangzhou Sanyuan Cable Co.,Ltd

RG142

Construction

	Material	Diameter(mm)
Inner conductor	Silver Plated Copper Clad Steel	0.94
Dielectric	PTFE	2.95
First Shield	95% Silver Plated Copper braid	3.6
Second Shield	95% Silver Plated Copper braid	4.2
Jacket	Brown FEP	4.95

Electrical Characteristics

Impedance(Ω)	50
Capacitance(pF/m)	96.5
Velocity of Propagation(%)	70
Max Operating Frequency(Mhz)	8000
Max Operating Voltage(RMS)	1900
Inner Conductor DCR (Ohm/km)	63.3
Outer Conductor DCR(Ohm/km)	7.5
Operating Temp Range($^{\circ}\text{C}$)	Subzero55 to 200

Attenuation (@20 $^{\circ}\text{C}$)

Frequency(MHz)	Max Attenuation(dB/100m)
10	3.6
50	8.5
100	12.5
200	17.7
400	25.9
700	35.1
900	40.4
1000	43
2000	63.3
3000	79.4
5000	107
8000	141.7