

Hangzhou Sanyuan Cable Co.,Ltd

RG8 coaxial cable

Construction

	Material	Diameter(mm)
Inner conductor	Bare Copper	2.75
Dielectric	Foam PE	7.25
First Shield	Bonded Aluminum Foil	8
Second Shield	95% Tinned Copper Braid	8.75
Jacket	PVC	10.3

Electrical Characteristics

Impedance(Ω)	50 \pm 3
Capacitance(pF/m)	82
Velocity of Propagation(%)	82
Inner Conductor DCR(ohm/km)	3.9
Outer Conductor DCR(ohm/km)	3.6
Max Operating Voltage(RMS)	4000
Operating Temp Range ($^{\circ}$ C)	subzero 40 to 85

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

Frequency(MHz)	Max Attenuation(dB/100m)
10	1.6
50	3.3
100	4.6
200	5.9
400	8.5
600	9.8
862	13.5
1000	14.8
1500	18
2000	21.7
3000	27.9
4000	32.5
5800	36.5