

Hangzhou Sanyuan Cable Co.,Ltd

RG8

Construction

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

Electrical Characteristics

Impedance(Ω)	50 \pm 0.2
Capacitance(pF/m)	82
Velocity of Propagation(%)	82
Max Operating Voltage(RMS)	4000
Inner Conductor DCR (Ohm/km)	3.9
Outer Conductor DCR (Ohm/km)	3.6
Operating Temp Range($^{\circ}$ C)	Subzero40 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
860	13.5
1000	14.8
1500	18

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2000	21.7
3000	27.9
4000	32.5
5800	36.5
