



Hangzhou Risingsun Cable Co., Ltd



RG214

Construction	Material	Diameter(inch/mm)	
Inner Conductor	Stranded Silver Plated Copper	7/0.029	7/0.75
Dielectric	Solid PE	0.285	7.25
First Shielded	95% Silver Plated Copper Braid	0.315	8
Second Shield	95% Silver Plated Copper Braid	0.344	8.75
Jacket	PVC/LSZH/TPE	0.425	10.80

Electrical Characteristics

Capacitance(pF/m)	101.1
Impedance(Ω)	50.0
Velocity of Propagation(%)	66.0
Conductor DCR(Ohm/km)	5.6
Outer shield DCR(Ohm/km)	3.9
Return Loss(dB)	≥ 20
Shielding Effectiveness(dB)	> 80
Max Operating Voltage(RMS)	5000
Operating Temp Range($^{\circ}\text{C}$)	-40 to 85

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

Frequency(Mhz)	Max Attenuation(dB/100ft)	Max Attenuation(dB/100m)
10	0.5	1.8
50	1.3	4.3
100	1.9	6.2
200	2.9	9.5
400	4.2	13.8
600	5.5	18.2
860	6.8	22.3
1000	7.5	24.5
1500	9.6	31.5
2000	11.1	36.4
3000	14.2	46.6
5000	19.60	64.2

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