



Hangzhou Risingsun Cable Co., Ltd



RG223

Construction	Material	Diameter(inch/mm)	
Inner Conductor	Solid Silver Plated Copper	0.035	0.9
Dielectric	Solid PE	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	PVC/LSZH/TPE	0.209	5.30

Electrical Characteristics

Capacitance(pF/m)	101.1
Impedance(Ω)	50.0
Velocity of Propagation(%)	66.0
Conductor DCR(Ohm/km)	28.9
Outer shield DCR(Ohm/km)	8.2
Return Loss(dB)	≥ 20
Shielding Effectiveness(dB)	> 90
Max Operating Voltage(RMS)	2000
Operating Temp Range($^{\circ}\text{C}$)	-40 to 85

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

Frequency(Mhz)	Max Attenuation(dB/100ft)	Max Attenuation(dB/100m)
50	3.2	10.5
200	6.3	20.7
400	9.1	29.8
600	10.8	35.5
860	13.3	43.5
1000	14.6	47.8
3000	25.4	83.2
5000	33.5	109.9

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