

Hangzhou Sanyuan Cable Co.,Ltd

LMR100

Construction

	Material	Diameter(mm)
Inner conductor	Copper Clad Steel	0.46
Dielectric	Solid PE	1.52
First Shield	Aluminum Foil (unbonded)	1.65
Second Shield	Tinned Copper Wire Braid	2.11
Jacket	PVC or PE	2.79

Electrical Characteristics

Impedance(Ω)	50 \pm 3
Capacitance(pF/m)	101.1
Velocity of Propagation(%)	66
Inner Conductor DCR(Ω /km)	266
Outer Conductor DCR(Ω /km)	31.2
Return Loss	\geq 20
Voltage Withstand(Volts DC)	500
Spark test(VRMS)	2000
Screening Effectiveness	\geq 90
Operating temp.($^{\circ}$ C)	Subzero 40 to +85

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

Frequency(MHz)	Max Attenuation(dB/100m)
30	12.9
50	16.7
150	29.4
220	35.8
450	51.9
900	74.9
1500	98.7
1800	109
2000	115.5
2500	130.6
5800	210.3