

Hangzhou Sanyuan Cable Co.,Ltd

LMR500

Construction

	Material	Diameter(mm)
Inner conductor	Copper Clad Aluminium	3.61
Dielectric	Foam PE	9.4
First Shield	Bonded Aluminum Foil	9.55
Second Shield	Tinned Copper Wire Braid	10.29
Jacket	PVC or PE	12.7

Electrical Characteristics

Impedance(Ω)	50 \pm 3
Capacitance(pF/m)	77.5
Velocity of Propagation(%)	86
Inner Conductor DCR(Ω /km)	2.7
Outer Conductor DCR(Ω /km)	4.2
Return Loss	\geq 20
Voltage Withstand(Volts DC)	3000
Spark test(VRMS)	8000
Screening Effectiveness	\geq 90
Operating temp.($^{\circ}$ C)	Subzero 40 to +85

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

Frequency(MHz)	Max Attenuation(dB/100m)
30	1.8
50	2.3
150	4
220	4.9
450	7.1
900	10.3
1500	13.6
1800	15
2000	15.9
2500	18
5800	29.1