

Hangzhou Sanyuan Cable Co.,Ltd

LMR300

Construction

	Material	Diameter(mm)
Inner conductor	Bare Copper	1.78
Dielectric	Foam PE	4.83
First Shield	Bonded Aluminum Foil	4.98
Second Shield	Tinned Copper Wire Braid	5.72
Jacket	PVC or PE	7.62

Electrical Characteristics

Impedance(Ω)	50 \pm 3
Capacitance(pF/m)	78.4
Velocity of Propagation(%)	85
Inner Conductor DCR(Ω /km)	7
Outer Conductor DCR(Ω /km)	7.3
Return Loss	\geq 20
Voltage Withstand(Volts DC)	2000
Spark test(VRMS)	5000
Screening Effectiveness	\geq 90
Operating temp.($^{\circ}$ C)	Subzero 40 to +85

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

Frequency(MHz)	Max Attenuation(dB/100m)
30	3.5
50	4.5
150	7.9
220	9.6
450	13.8
900	19.9
1500	26
1800	28.7
2000	30.3
2500	34.2
5800	54.2