

Hangzhou Sanyuan Cable Co.,Ltd

LMR400

Construction

	Material	Diameter(mm)
Inner conductor	Bare Copper Or CCA	2.74
Dielectric	Foam PE	7.24
First Shield	Bonded Aluminum Foil	7.39
Second Shield	Tinned Copper Wire Braid	8.13
Jacket	PVC or PE	10.29

Electrical Characteristics

Impedance(Ω)	50 \pm 3
Capacitance(pF/m)	78.4
Velocity of Propagation(%)	85
Inner Conductor DCR(Ω /km)	4.6
Outer Conductor DCR(Ω /km)	5.4
Return Loss	\geq 20
Voltage Withstand(Volts DC)	2500
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	2.2
50	2.9
150	5
220	6.1
450	8.9
900	12.8
1500	16.8
1800	18.6
2000	19.6
2500	22.2
5800	35.5