

LQ 500

50 Ohm Coaxial Cable



PHYSICAL DIMENSION

	Material	Diameter(mm)
1. Inner Conductor	CCA	3.61
2. Dielectric	Foamed PE	9.40
3. 1st Outer Conductor	Bonded Aluminum Foil	9.55
4. 2nd Outer Conductor	Tinned Copper Braid	10.29
5. Jacket	PE	12.70

ELECTRICAL & MECHANICAL PROPERTIES

Capacitance (pF/m)	50
Impedance(ohms)	77.4
Velocity of Propagation(%)	86
Inner Conductor DC Resistance(Ω /km)	2.69
Outer Conductor DC Resistance(Ω /km)	4.17
Shielding Effectiveness(\geq dB)	90
Storage Temperature($^{\circ}$ C)	-25~+70
Installation Temperature($^{\circ}$ C)	-25~+70
Operation Temperature($^{\circ}$ C)	-25~+70
Min. Bending Radius(mm)	31.8
VSWR \leq (Return loss \geq dB)	1.20 (20)

ATTENUATION (20 $^{\circ}$ C)

Frequency(MHz)	Attenuation(dB/100m)	Frequency(MHz)	Attenuation(dB/100m)
30	1.8	900	10.3
50	2.3	1500	13.6
150	4.0	1800	15.0
220	4.9	2000	15.9
450	7.1	2500	18.0