

LQ 195

50 Ohm Coaxial Cable



PHYSICAL DIMENSION

	Material	Diameter(mm)
1. Inner Conductor	Bare Copper	0.94
2. Dielectric	Foamed PE	2.79
3. 1st Outer Conductor	Bonded Aluminum Foil	2.95
4. 2nd Outer Conductor	Tinned Copper Braid	3.53
5. Jacket	PE	4.95

ELECTRICAL & MECHANICAL PROPERTIES

Capacitance (pF/m)	50
Impedance(ohms)	79.7
Velocity of Propagation(%)	80
Inner Conductor DC Resistance(Ω /km)	24.94
Outer Conductor DC Resistance(Ω /km)	16.08
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)	12.7
VSWR \leq (Return loss \geq dB)	1.20 (20)

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

Frequency(MHz)	Attenuation(dB/100m)	Frequency(MHz)	Attenuation(dB/100m)
30	6.5	900	36.5
50	8.4	1500	47.7
150	14.6	1800	52.5
220	17.7	2000	55.4
450	25.5	2500	62.4