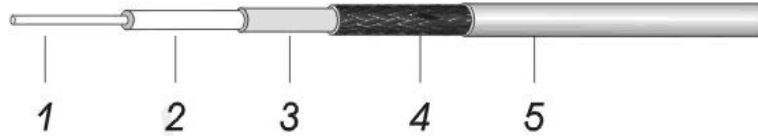


# LQ 200

## 50 Ohm Coaxial Cable



### PHYSICAL DIMENSION

	Material	Diameter(mm)
1. Inner Conductor	Bare Copper	1.12
2. Dielectric	Foamed PE	2.95
3. 1st Outer Conductor	Bonded Aluminum Foil	3.07
4. 2nd Outer Conductor	Tinned Copper Braid	3.66
5. Jacket	PE	4.95

### ELECTRICAL & MECHANICAL PROPERTIES

Capacitance (pF/m)	50
Impedance(ohms)	80.4
Velocity of Propagation(%)	83
Inner Conductor DC Resistance( $\Omega$ /km)	17.59
Outer Conductor DC Resistance( $\Omega$ /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	5.8	900	32.6
50	7.5	1500	42.4
150	13.1	1800	46.6
220	15.9	2000	49.3
450	22.8	2500	55.4