

# LQ 240

## 50 Ohm Coaxial Cable



### PHYSICAL DIMENSION

	Material	Diameter(mm)
1. Inner Conductor	Bare Copper	1.42
2. Dielectric	Foamed PE	3.81
3. 1st Outer Conductor	Bonded Aluminum Foil	3.94
4. 2nd Outer Conductor	Tinned Copper Braid	4.52
5. Jacket	PE	6.10

### ELECTRICAL & MECHANICAL PROPERTIES

Capacitance (pF/m)	50
Impedance(ohms)	79.4
Velocity of Propagation(%)	84
Inner Conductor DC Resistance( $\Omega$ /km)	10.50
Outer Conductor DC Resistance( $\Omega$ /km)	12.76
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)	19.1
VSWR $\leq$ (Return loss $\geq$ dB)	1.20 (20)

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

Frequency(MHz)	Attenuation(dB/100m)	Frequency(MHz)	Attenuation(dB/100m)
30	4.4	900	24.8
50	5.7	1500	32.4
150	9.9	1800	35.6
220	12.0	2000	37.7
450	17.3	2500	42.4