

# LQ500T+Messenger

## 75 Ohm Trunk Coaxial Cable



### PHYSICAL DIMENSION

	Material	Diameter(mm)
Inner Conductor	BC or CCA	2.77
Dielectric	Foamed PE	11.43
Outer Conductor	Seamless Al. Tube	12.70
Thickness of Outer Conductor		0.61
Jacket	Black PE	14.22
Jacket Wall Thickness		0.76
Messenger	Steel	2.77

### ELECTRICAL PROPERTY

Capacitance(pF/m)	50±3	
Impedance(ohms)	75±2	
Velocity of Propagation	87%	
Shielding Effectiveness(≥dB)	110	
DC resistance of inner conductor	4.43ohms/km	
DC resistance of outer conductor	1.21ohms/km	
DC Loop Resistance	5.64ohms/km	
Operation Temperature(°C)	-40—+80	
Return Loss	Frequency	dB
	5-1000MHz	≥30dB

### ATTENUATION @ 68°F (20°C)

Frequency(MHz)	≤dB/100m @20°C	Frequency(MHz)	≤dB/100m @20°C
5	0.52	450	5.35
55	1.77	500	5.67
211	3.58	550	5.97
250	3.94	600	6.27
300	4.30	750	7.09
350	4.69	865	7.68
400	5.02	1000	8.27