

# LQ540W+Messenger

## 75 Ohm Trunk Coaxial Cable



### PHYSICAL DIMENSION

	Material	Diameter(mm)
Inner Conductor	BC or CCA	3.15
Dielectric	Foamed PE	13.03
Outer Conductor	Welded Al. Tube	13.72
Thickness of Outer Conductor		0.35
Jacket	Black PE	15.49
Jacket Wall Thickness		0.89
Messenger	Steel	2.77

### ELECTRICAL PROPERTY

Capacitance(pF/m)	50±3
Impedance(ohms)	75±2
Velocity of Propagation	88%
Shielding Effectiveness(≥dB)	110
DC resistance of inner conductor	3.35ohms/km
DC resistance of outer conductor	1.93ohms/km
DC Loop Resistance	5.28ohms/km
Operation Temperature(°C)	-40—+80

Return Loss	Frequency	dB
	5-1000MHz	≥28dB

### ATTENUATION @ 68°F (20°C)

Frequency(MHz)	≤dB/100m @20°C	Frequency(MHz)	≤dB/100m @20°C
5	0.46	450	4.59
55	1.54	500	4.89
211	3.12	550	5.12
250	3.38	600	5.38
300	3.71	750	6.07
350	4.03	865	6.56
400	4.33	1000	7.12