

# LQ700TF

## 75 Ohm Trunk Coaxial Cable



### PHYSICAL DIMENSION

	Material	Diameter(mm)
Inner Conductor	BC or CCA	4.14
Dielectric	Foamed PE	16.59
Outer Conductor	Seamless Al. Tube	17.86
Thickness of Outer Conductor		0.64
Flooding Compound		Jelly
Jacket	Black PE	19.69
Jacket Wall Thickness		0.79

### ELECTRICAL PROPERTY

Capacitance(pF/m)	50±3	
Impedance(ohms)	75±2	
Velocity of Propagation	89%	
Shielding Effectiveness(≥dB)	110	
DC resistance of inner conductor	1.94ohms/km	
DC resistance of outer conductor	0.82ohms/km	
DC Loop Resistance	2.76ohms/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	0.36	450	3.67
55	1.18	500	3.90
211	2.40	550	4.10
250	2.66	600	4.30
300	2.95	750	4.89
350	3.22	865	5.32
400	3.45	1000	5.74