

# LQ540WF

## 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
Flooding Compound		Jelly
Jacket	Black PE	15.80
Jacket Wall Thickness		0.89

### 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	<table border="1"> <thead> <tr> <th>Frequency</th> <th>dB</th> </tr> </thead> <tbody> <tr> <td>5-1000MHz</td> <td>≥28dB</td> </tr> </tbody> </table>	Frequency	dB	5-1000MHz	≥28dB
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### ATTENUATION @ 68°F (20°C)

Frequency(MHz)	≤dB/100m @20°C	Frequency(MHz)	≤dB/100m @20°C
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