

# Leaky Coaxial Cables

## LCX12(1/2") L

### Construction

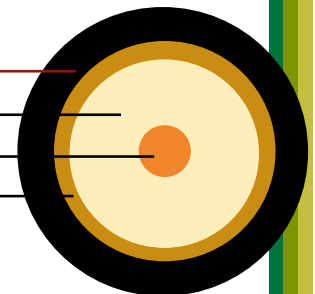
Inner conductor	Copper clad Aluminium or copper	Φ4.8 mm
Dielectric	Foam PE	Φ12.3 mm
Outer conductor	Corrugated copper tube and slot	Φ13.8 mm
Sheath	PE/LSOH	Φ15.7 mm

### Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	76 pF/m
Velocity of propagation	88%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	1.48 Ohm/Km
Outer conductor resistance	2.10 Ohm/Km
Installation temperature range	-40°C - +60 °C
Operating temperature range	-55°C - +85°C
Cable weight (approx.)	230kg/km/260kg/km



PE/LSHF sheath  
 Physical foamed dielectric  
 Copper clad AL inner conductor  
 Corrugated copper tube and slot



### Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation(dB/100ft)
75	2.0	0.61
150	2.9	0.88
450	5.3	1.62
800	7.3	2.23
900	7.9	2.41
1800	12.0	3.66
2200	13.5	4.12
2400	14.1	4.30

