

# Leaky Coaxial Cables

## LCX12(1/2") R

### Construction

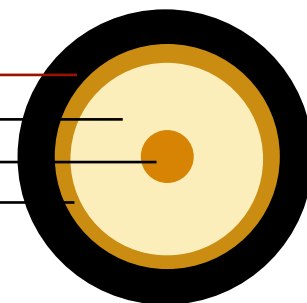
Inner conductor	Copper-clad Aluminium or copper	Φ4.8 mm
Dielectric	Foam PE	Φ12.3 mm
Outer conductor	Overlapping copper foil	Φ13.8 mm
Sheath	PE/LSOH	Φ15.7 mm

### 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	3.40 Ohm/Km
Installation temperature range	-40°C - +60 °C
Operating temperature range	-55°C - +85°C
Cable weight (approx.)	190kg/km/230kg/km



PE/LSHF sheath  
 Physical foamed dielectric  
 Copper-clad AL inner conductor  
 Overlapping copper foil



### Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation(dB/100ft)
150	3.3	1.01
450	5.9	1.80
800	8.4	2.56
900	9.1	2.77

