



# Caledonian

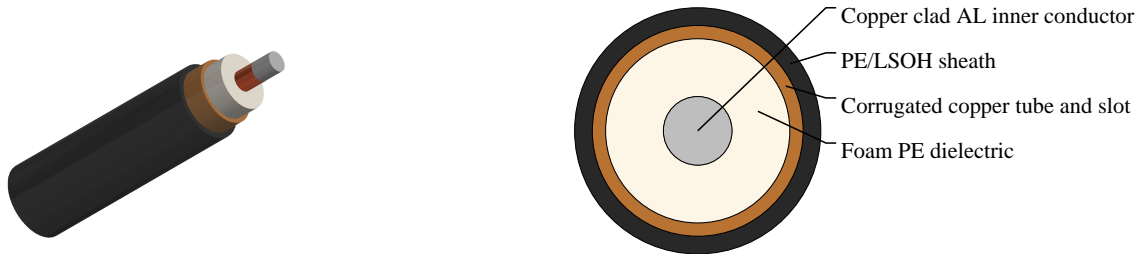
Coaxial Cables

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## 50 Ohm Leaky Coaxial Cables

LCX8(3/8") L



### Construction

Inner conductor	Copper clad Aluminium or copper	Φ3.1 mm
Dielectric	Foam PE	Φ8.35 mm
Outer conductor	Corrugated copper tube and slot	Φ9.5 mm
Sheath	PE/LSOH	Φ11.2 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	3.1 Ohm/Km
Outer conductor resistance	3.1 Ohm/Km
Installation temperature range	-40°C - +60 °C
Operating temperature range	-55°C - +85°C
Cable weight (approx.)	140kg/km-160kg/km

### Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
75	3.3	1.01
150	4.5	1.37
450	7.5	2.29
800	10.5	3.2
900	11	3.35
1800	15.8	4.82