



Caledonian

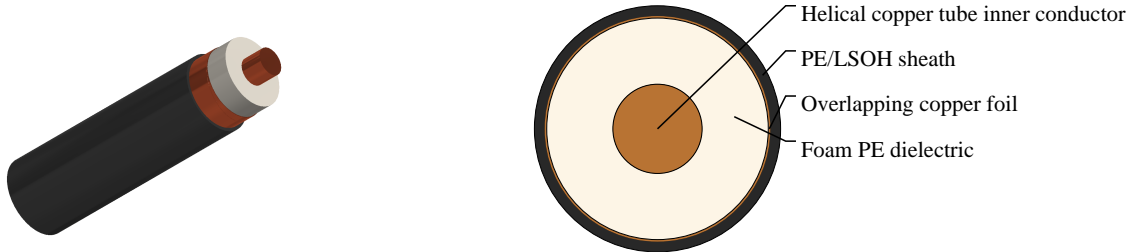
Coaxial Cables

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50 Ohm Leaky Coaxial Cables

LCX42(1-5/8") R



Construction

Inner conductor	Helical copper tube	Φ17.4 mm
Dielectric	Foam PE	Φ43.0 mm
Outer conductor	Overlapping copper foil	Φ43.8 mm
Sheath	PE/LSOH	Φ48.3 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	0.85 Ohm/Km
Outer conductor resistance	1 Ohm/Km
Installation temperature range	-40°C - +60 °C
Operating temperature range	-55°C - +85°C
Cable weight (approx.)	1000kg/km-1150kg/km

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
75	0.83	0.25
150	0.95	0.29
450	1.9	0.58
800	2.8	0.85
900	3.2	0.98