

Leaky Coaxial Cables

LCX42(1-5/8") L

Construction

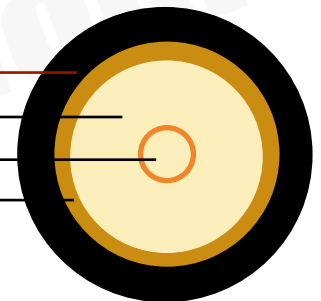
Inner conductor	Helical copper tube	Φ17.4 mm
Dielectric	Foam PE	Φ42.8 mm
Outer conductor	Corrugated copper tube and slot	Φ46.5 mm
Sheath	PE/LSOH	Φ49.5 mm

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	0.60 Ohm/Km
Installation temperature range	-40°C - +60 °C
Operating temperature range	-55°C - +85°C
Cable weight (approx.)	1290kg/km/1430kg/km



PE/LSHF sheath
 Physical foamed dielectric
 Helical copper tube inner conductor
 Corrugated copper tube and slot



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation(dB/100ft)
75	0.6	0.18
150	0.8	0.24
450	1.9	0.58
800	2.6	0.79
900	2.7	0.82
1800	4.4	1.34
2200	5.1	1.55
2400	5.5	1.68