

Leaky Coaxial Cables

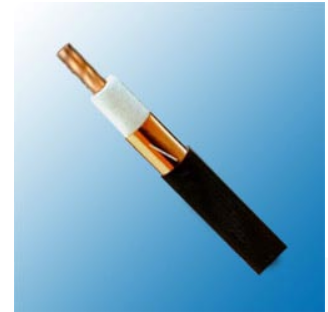
LCX42(1-5/8") R

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	1.0 Ohm/Km
Installation temperature range	-40°C - +60 °C
Operating temperature range	-55°C - +85°C
Cable weight (approx.)	1000kg/km/1150kg/km

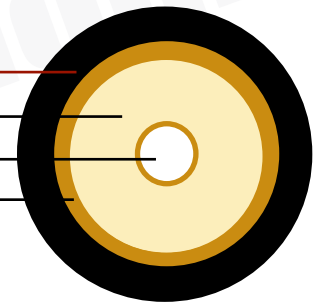


PE/LSHF sheath —————

Physical foamed dielectric —————

Helical copper tube inner conductor —————

Overlapping copper foil —————



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
75	0.83	0.25
150	0.95	0.29
450	1.90	0.58
800	2.80	0.85
900	3.20	0.98