

50Ohm Leaky Coaxial Cables

LCX42(1-5/8")R

LCX32(1-1/4")R

LCX22(7/8")R

LCX12(1/2")R

LCX42(1-5/8") L

LCX32(1-1/4") L

LCX22(7/8") L

LCX12(1/2") L

LCX8(3/8") L

Leaky Coaxial Cables

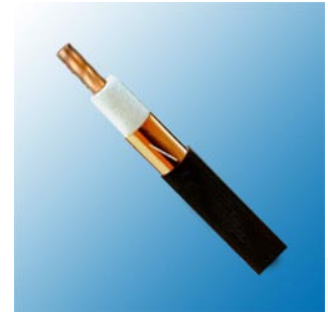
LCX42(1-5/8") R

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

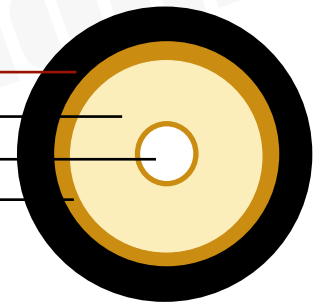


PE/LSHF sheath —————

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

Leaky Coaxial Cables

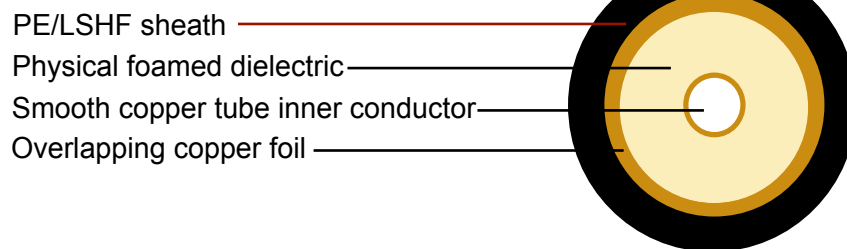
LCX32(1-1/4") R

Construction

Inner conductor	Smooth copper tube	Φ13.0mm
Dielectric	Foam PE	Φ32.8 mm
Outer conductor	Overlapping copper foil	Φ33.6 mm
Sheath	PE/LSOH	Φ38.2 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	0.7 Ohm/Km
Outer conductor resistance	1.7 Ohm/Km
Installation temperature range	-40°C - +60 °C
Operating temperature range	-55°C - +85°C
Cable weight (approx.)	840kg/km/970kg/km



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation(dB/100ft)
75	1.00	0.30
150	1.35	0.41
450	2.30	0.70
800	4.00	1.22
900	4.35	1.33

Leaky Coaxial Cables

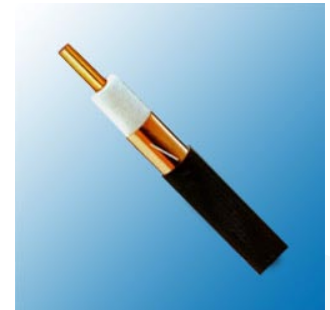
LCX22(7/8") R

Construction

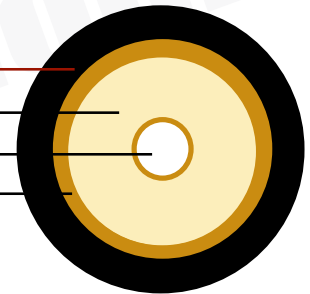
Inner conductor	Smooth copper tube	Φ9.0 mm
Dielectric	Foam PE	Φ22.5 mm
Outer conductor	Overlapping copper foil	Φ22.8 mm
Sheath	PE/LSOH	Φ27.2 mm

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	76 pF/m
Velocity of propagation	89%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	1.2 Ohm/Km
Outer conductor resistance	2.8 Ohm/Km
Installation temperature range	-40°C - +60 °C
Operating temperature range	-55°C - +85°C
Cable weight (approx.)	420kg/km/480kg/km



PE/LSHF sheath
 Physical foamed dielectric
 Smooth copper tube inner conductor
 Overlapping copper foil



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation(dB/100ft)
75	1.20	0.37
150	1.80	0.55
450	3.30	1.01
800	5.10	1.55
900	5.50	1.68

Leaky Coaxial Cables

LCX12(1/2") R

Construction

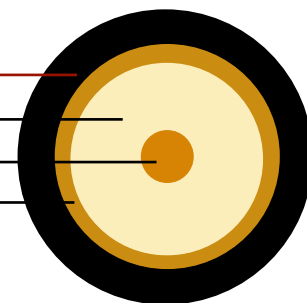
Inner conductor	Copper-clad Aluminium or copper	Φ4.8 mm
Dielectric	Foam PE	Φ12.3 mm
Outer conductor	Overlapping copper foil	Φ13.8 mm
Sheath	PE/LSOH	Φ15.7 mm

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



Leaky Coaxial Cables

LCX42(1-5/8") L

Construction

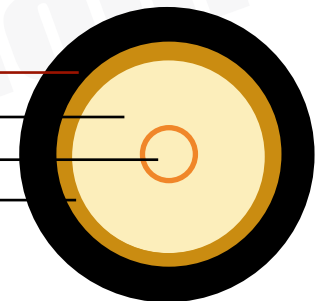
Inner conductor	Helical copper tube	Φ17.4 mm
Dielectric	Foam PE	Φ42.8 mm
Outer conductor	Corrugated copper tube and slot	Φ46.5 mm
Sheath	PE/LSOH	Φ49.5 mm

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

Leaky Coaxial Cables

LCX32(1-1/4") L

Construction

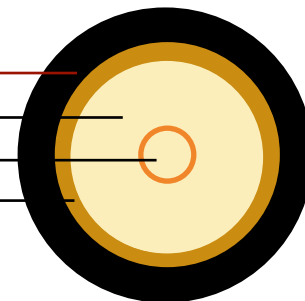
Inner conductor	Smooth copper tube	Φ13.0 mm
Dielectric	Foam PE	Φ33.0 mm
Outer conductor	Corrugated copper tube and slot	Φ36.0 mm
Sheath	PE/LSOH	Φ38.6 mm

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	76 pF/m
Velocity of propagation	89%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	0.7 Ohm/Km
Outer conductor resistance	0.7 Ohm/Km
Installation temperature range	-40°C - +60 °C
Operating temperature range	-55°C - +85°C
Cable weight (approx.)	1050kg/km/1150kg/km



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



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation(dB/100ft)
75	0.8	0.24
150	1.1	0.34
450	2.5	0.76
800	3.3	1.01
900	3.5	1.07
1800	5.0	1.52
2200	5.9	1.80
2400	6.5	1.98

Leaky Coaxial Cables

LCX22(7/8") L

Construction

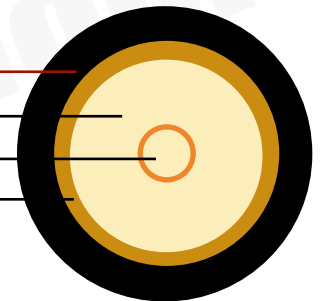
Inner conductor	Smooth copper tube	Φ9.0 mm
Dielectric	Foam PE	Φ22.5 mm
Outer conductor	Corrugated copper tube and slot	Φ24.9 mm
Sheath	PE/LSOH	Φ27.7 mm

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	76 pF/m
Velocity of propagation	88%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	1.0 Ohm/Km
Outer conductor resistance	1.2 Ohm/Km
Installation temperature range	-40°C - +60 °C
Operating temperature range	-55°C - +85°C
Cable weight (approx.)	520kg/km/570kg/km



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



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation(dB/100ft)
75	1.2	0.37
150	1.7	0.52
450	3.1	0.95
800	4.3	1.31
900	4.6	1.40
1800	4.9	1.49
2200	7.8	2.38
2400	8.6	2.62

Leaky Coaxial Cables

LCX12(1/2") L

Construction

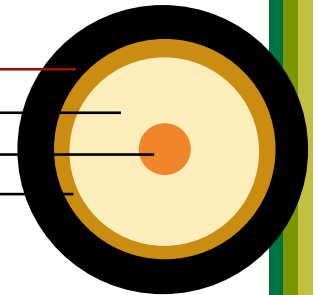
Inner conductor	Copper clad Aluminium or copper	Φ4.8 mm
Dielectric	Foam PE	Φ12.3 mm
Outer conductor	Corrugated copper tube and slot	Φ13.8 mm
Sheath	PE/LSOH	Φ15.7 mm

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	2.10 Ohm/Km
Installation temperature range	-40°C - +60 °C
Operating temperature range	-55°C - +85°C
Cable weight (approx.)	230kg/km/260kg/km



PE/LSHF sheath
 Physical foamed dielectric
 Copper clad AL inner conductor
 Corrugated copper tube and slot



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation(dB/100ft)
75	2.0	0.61
150	2.9	0.88
450	5.3	1.62
800	7.3	2.23
900	7.9	2.41
1800	12.0	3.66
2200	13.5	4.12
2400	14.1	4.30



Leaky Coaxial Cables

LCX8(3/8") L

Construction

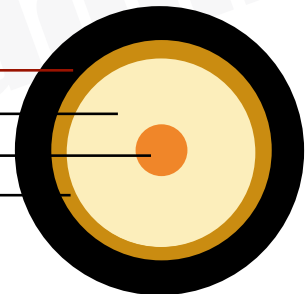
Inner conductor	Copper clad Aluminium or copper	Φ3.1 mm
Dielectric	Foam PE	Φ8.35 mm
Outer conductor	Corrugated copper tube and slot	Φ9.5 mm
Sheath	PE/LSOH	Φ11.2 mm

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



PE/LSHF sheath
 Physical foamed dielectric
 Copper clad AL inner conductor
 Corrugated copper tube and slot



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation(dB/100ft)
75	3.3	1.01
150	4.5	1.37
450	7.5	2.29
800	10.5	3.20
900	11.0	3.35
1800	15.8	4.82