

Leaky Coaxial Cables

LCX22(7/8") L

Construction

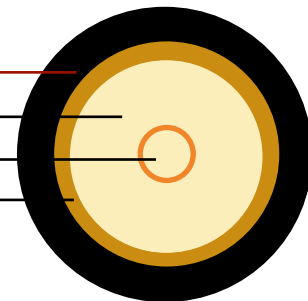
| | | |
|-----------------|---------------------------------|----------|
| Inner conductor | Smooth copper tube | Φ9.0 mm |
| Dielectric | Foam PE | Φ22.5 mm |
| Outer conductor | Corrugated copper tube and slot | Φ24.9 mm |
| Sheath | PE/LSOH | Φ27.7 mm |

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 |

