



CR-400-LSZH Product Specification

50Ω Low Loss Coaxial Cable - Non-halogen (non-toxic), low smoke, fire retardant cable.

Copper Clad Aluminium Inner Conductor, foam PE Dielectric, Bonded Aluminium/Polyester/Aluminium Tape and Tinned Copper Wire Braid Screen with a black UV Resistant Polyethylene Jacket.

| Cable Construction | Material | Dimensions |
|--------------------|-------------------------------------|----------------------|
| Inner Conductor | Copper Clad Aluminium | 2.74 ± 0.02mm |
| Dielectric | PE (foam PE) | 7.24 ± 0.13mm |
| Outer Conductor | Bonded Dual AL Foil + Tinned Copper | 86%+ (24 x 7 x 0.16) |
| Jacket | PE Black (Fire Retardant) | 10.29 ± 0.18mm |

Mechanical Characteristics

| | | | |
|------------------|------------|--------------------------|-----------|
| Tensile Strength | 73kg | Storage Temperature | -70 +85°C |
| Weight | 100kg / Km | Installation Temperature | -40 +85°C |
| Min Bend Radius | 25.4mm | Operating Temperature | -40 +85°C |

Electrical Characteristics

| | | | |
|-------------|----------|--------------------------|------------|
| Impedance | 50 ± 2Ω | Jacket Spark | 8000 V.RMS |
| Velocity | 85% | Return Loss (30-2800MHz) | ≥20.8dB |
| Capacitance | 78.4pF/m | | |

Attenuation

| Frequency (MHz) | dB / 100m | Average Power (kW) | Frequency (MHz) | dB/100m | Average Power (kW) |
|-----------------|-----------|--------------------|-----------------|---------|--------------------|
| 30 | 2.42 | 2.91 | 900 | 12.48 | 0.50 |
| 50 | 3.01 | 2.21 | 1500 | 16.37 | 0.38 |
| 150 | 4.87 | 1.28 | 1800 | 18.07 | 0.34 |
| 220 | 5.89 | 1.05 | 2000 | 19.1 | 0.33 |
| 450 | 8.64 | 0.72 | 2500 | 21.61 | 0.29 |

- Compatible N-type male connector part number – CN-400-CR
- RoHS compliant.