

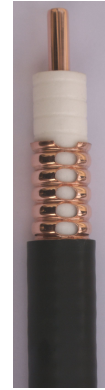


HPL 50-7/8RM - Fire resistant LSOH Jacket

M5426X

Description

| | | |
|-------------------------|--|----------|
| Inner Conductor: | Copper tube Outer Diameter: | 9.0 mm |
| Dielectric: | Foam Polyethylene Diameter: | 22.0 mm |
| Outer Conductor: | Corrugated copper Holes milled in the top of corrugation of the outer conductor Outer Diameter: | 24.7 mm |
| Jacket: | Low smoke Zero Halogen Compound Diameter: | 27.75 mm |



Ink marking: ACOME HYPERCELL COAX LSOH HPL 50-7/8RM M5426 LOT X lot N° (+ Metric length)

Electrical Characteristics

| | | |
|-------------------------------|------------------|---------------|
| Impedance: | | 50 ± 2 Ω |
| Return Loss: | 100 ~ 2700 MHz | ≤ -19.1 dB |
| Capacitance: | Typical | 75 pF/m |
| Velocity: | Typical | 88% |
| Dielectric constant: | Typical | 1.32 |
| Operating frequency: | | ≤ 5 GHz |
| Peak power rating: | | 90 kW |
| Operating voltage: | | 3 kV RMS |
| Insulation Resistance: | | > 10000 MΩ.km |
| DC resistance: | Inner conductor: | ≤ 1.55 Ω/km |
| | Outer conductor: | ≤ 1.69 Ω/km |

| Frequency (MHz) | Attenuation (dB/100m) @ 20°C Max. | Coupling Loss (50%) dB | Coupling Loss (95%) dB |
|-----------------|-----------------------------------|------------------------|------------------------|
| 150 | 1.80 | 66 | 77 |
| 450 | 3.60 | 68 | 78 |
| 900 | 5.30 | 72 | 80 |
| 1800 | 7.60 | 70 | 79 |
| 2400 | 9.20 | 76 | 84 |

1. The above stated coupling loss values are typical values and subject to manufacturing tolerances.

2. The coupling loss is measured at 2m to the cable.

Mechanical Characteristics

| | | |
|--------------------------|--------------|--------------|
| Bending radius: | Operating | 250 mm – Min |
| | Installation | 120 mm – Min |
| Tensile Strength: | | 1400 N – Max |
| Packaging: | | 500 m |

Environmental Characteristics

| | | |
|---------------------------|-------------------------|---------------|
| Temperature range: | Operating | -40°C / +85°C |
| | Installation | -20°C / +60°C |
| | Storage | -70°C / +85°C |
| Fire resistance: | IEC 60332-1/60332-3C | |
| Smoke toxicity: | IEC 60754-2 / NFC20-454 | |
| Smoke density: | IEC 61034 | |
| Test methods: | IEC 61196-1 | |

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