

CommScope LDF4-50A, HELIAX(r) Low Density Foam Coaxial Cable, corrugated copper, 1/2 in, black PE jacket - 50m

SKU: ACC-CS-00007050

MPN: LDF4-50A

Description

The CommScope LDF4-50A HELIAX® Low Density Foam Coaxial Cable is a robust 1/2-inch corrugated copper cable designed for large antenna systems. With a 50m length and black PE jacket, this cable ensures superior performance in RF applications. It features a solid corrugated copper outer conductor with 110 dB shielding effectiveness, crucial for maintaining low Passive Intermodulation (PIM) levels.

This cable supports an operating frequency range of 1 GHz to 8800 GHz, making it versatile for various applications. Its consistent outer diameter of 15.87 mm and inner conductor diameter of 4.83 mm conform to industry standards for half-inch feeder cables used in passive Distributed Antenna Systems. The LDF4-50A is resilient to repeated mating cycles, illustrating its durability in demanding environments.

Certified to ISO 9001 and RoHS standards, this cable ensures compliance with global quality and environmental requirements. Performance...

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RF Specification

| | | | |
|------------------|-------|-----------------|---------|
| Start Frequency: | 0 GHz | Stop Frequency: | 8.8 GHz |
|------------------|-------|-----------------|---------|

VSWR Measurement

| Frequency | VSWR | Return Loss |
|-----------|----------|-------------|
| 680 MHz | ≤ 1.13:1 | ≤ 24.3 dB |
| 800 MHz | ≤ 1.13:1 | ≤ 24.3 dB |
| 1700 MHz | ≤ 1.13:1 | ≤ 24.3 dB |
| 2300 MHz | ≤ 1.13:1 | ≤ 24.3 dB |

Physical Specification

| | | | |
|----------------------------|-----------------------------|---------|-------|
| Subtype: | Feeder Cable | Length: | 50 m |
| Compliance/Certifications: | ISO 9001 Quality Management | Weight: | 220 g |
| RoHS | | | |

LDF4-50A

| | | | |
|---------------------------|---------|-----------------|---------|
| Min. Frequency: | 0 GHz | Max. Frequency: | 8.8 GHz |
| Impedance: | 50 | Colour: | Black |
| Min. Bend Radius Static: | 50.8 mm | Weight (g/m): | 220 g |
| Min. Bend Radius Dynamic: | 127 mm | | |

Cable Layers

| Layer | Diameter | Materials |
|-----------------|----------|-----------------------------|
| Inner Conductor | 4.83 mm | Copper Clad Aluminium (CCA) |
| Dielectric | 12.95 mm | Foamed Polyethylene (EPE) |
| Outer Conductor | 13.97 mm | Corrugated Copper Tube |
| Outer Jacket | 15.88 mm | Polyethylene (PE) |

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