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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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CommScope

CommScope (NASDAQ: COMM) helps design, build and manage wired and wireless networks around the world. As a communications infrastructure leader, we shape the always-on networks of tomorrow. For more than 40 years, our global team of greater than 20,000 employees, innovators and technologists have empowered customers in all regions of the world to anticipate what’s next and push the boundaries of ...

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
Compliance/Certifications
ISO 9001 Quality Management
,

RoHS
Length
50 m
Weight
220 g

LDF4-50A

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