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CommScope LDF4-50A, HELIAX(r) Low Density Foam Coaxial Cable, corrugated copper, 1/2 in, black PE jacket - 100m

SKU
ACC-CS-00007100
MPN
LDF4-50A

Description

The CommScope LDF4-50A HELIAX® Low Density Foam Coaxial Cable is a premium 1/2-inch corrugated copper cable designed for high-performance RF systems. With a robust black PE jacket, this cable offers excellent durability and is available in 100m lengths. It features a 15.87 mm outer diameter and a 4.83 mm inner conductor, providing 110 dB of shielding effectiveness, crucial for maintaining low Passive Intermodulation (PIM) levels.

Ideal for large antenna systems and passive Distributed Antenna Systems, the LDF4-50A supports a wide operating frequency range from 1 GHz to 8800 GHz. The cable meets ISO 9001 Quality Management and RoHS compliance standards, ensuring reliable performance and adherence to environmental regulations.

Performance data highlights a VSWR of ≤ 1.13:1 and a Return Loss of ≤ 24.30 dB across frequencies from 680 MHz to 2300 MHz, ensuring minimal signal reflection and high efficiency. Weighing 220g, the cable is...

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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
1 GHz
Stop Frequency
8800 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
Cable Reel
Compliance/Certifications
RoHS
,

ISO 9001 Quality Management
Length
100 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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