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CommScope LDF4-50, HELIAX(r) Low Density Foam Coaxial Cable, corrugated copper, 1/2 in, black non-halogenated, fire retardant polyolefin jacket - 250m

SKU
ACC-CS-00067

MPN
LDF4RK-50A

Description

The CommScope LDF4-50 HELIAX® Low Density Foam Coaxial Cable is a high-performance solution for RF applications, offering durability and compliance with industry standards. This 1/2 inch coaxial cable features a corrugated copper construction and is encased in a black non-halogenated, fire-retardant polyolefin jacket, ensuring safety and reliability. Measuring 250 metres, the cable weighs 62.5 kg, making it suitable for extensive installations.

Engineered to handle mating cycles, the LDF4-50 operates effectively within a frequency range of 1 GHz to 8800 GHz, making it versatile for various communication needs. It is compliant with RoHS and ISO 9001 quality management standards and meets IEC 60068-2-11 salt mist mechanical testing requirements, ensuring robust performance in challenging environments.

The cable delivers excellent electrical performance, with a VSWR of ≤ 1.13:1 and a Return Loss of ≤ 24.30 dB at frequencies ranging from 680...

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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
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
Cable Reel
Compliance/Certifications
ISO 9001 Quality Management
,

RoHS
Length
250 m
Weight
250 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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