

CommScope LDF4-50A, HELIAX(r) Low Density Foam Coaxial Cable, corrugated copper, 1/2 in, black PE jacket - 500m

SKU: ACC-CS-00007500

MPN: LDF4-50A

Description

The CommScope LDF4-50A HELIAX Low Density Foam Coaxial Cable is a high-performance, 1/2 inch cable with a black PE jacket. Designed for RF applications, it offers a robust solution for network connectivity with a 500-metre length and a weight of 220 grams. Constructed with corrugated copper, this cable is engineered for durability and reliability, handling extensive mating cycles with ease.

Operating across a broad frequency range of 1 GHz to 8800 GHz, the LDF4-50A ensures optimal performance for various applications. It maintains a VSWR of $\leq 1.13:1$ and a Return Loss of ≤ 24.30 dB, measured at frequencies of 680 MHz, 800 MHz, 1700 MHz, and 2300 MHz. These specifications highlight its superior signal quality and minimal loss, critical for efficient communication systems.

The cable meets stringent ISO 9001 Quality Management and RoHS compliance standards, underscoring its commitment to quality and environmental responsibility. As part of...

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RF Specification

Start Frequency:	0 GHz	Stop Frequency:	8.8 GHz
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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	Length:	500 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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