

# 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  $\leq 24.30$  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

### CommScope

**COMMSCOPE®**

Start Frequency:

0 GHz (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 ...

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	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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