

Page



Powertec Wireless Technology  
ABN: 42 082 948 463  
PO Box 1034, Ashmore City  
Queensland, Australia, 4214  
sales@powertec.com.au  
1300 769 378

# **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...

[Read More](#)





## [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	$\leq 1.13:1$	$\leq 24.3$ dB
---------	---------------	----------------

800 MHz	$\leq 1.13:1$	$\leq 24.3$ dB
---------	---------------	----------------

1700 MHz	$\leq 1.13:1$	$\leq 24.3$ dB
----------	---------------	----------------

2300 MHz	$\leq 1.13:1$	$\leq 24.3$ dB
----------	---------------	----------------

## Physical Specification

Subtype

[Cable Reel](#)

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

## RoHS

Length

500 m

Weight

220 g

## LDF4-50A

Min. Frequency

0 GHz

Impedance

50  $\Omega$

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	<a href="#">Copper Clad Aluminium (CCA)</a>
Dielectric	12.95 mm	<a href="#">Foamed Polyethylene (EPE)</a>
Outer Conductor	13.97 mm	<a href="#">Corrugated Copper Tube</a>
Outer Jacket	15.88 mm	<a href="#">Polyethylene (PE)</a>

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

