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 ≤ 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...

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	≤ 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
500 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)

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.

