

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 $\leq 1.13:1$ and a Return Loss of ≤ 24.30 dB at frequencies ranging from 680...

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RF Specification

Start Frequency:	1 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:	250 m
Compliance/Certifications:	ISO 9001 Quality Management	Weight:	250 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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