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CommScope HELIAX 1/2" SureFlex Jumper with interface types 4.3-10 Male and 4.3-10 Male, 1m

SKU
ACC-CS-00099
MPN
F4A-HPHMHM-1M

Description

The CommScope HELIAX 1/2" SureFlex Jumper (SKU: ACC-CS-00099) is a robust RF coaxial cable designed for large antenna systems, including passive Distributed Antenna Systems. This 1m jumper features 4.3-10 Male connectors on both ends, ensuring consistent performance with a straight body shape and free-hanging mounting style.

Constructed with a solid corrugated copper outer conductor, this 1/2" cable offers superior shielding effectiveness of 110 dB and low Passive Intermodulation (PIM) with a rating of -119 dBc. It supports an operating frequency range from 698 MHz to 3800 MHz, making it versatile for various applications. The cable's robust design withstands numerous mating cycles, ensuring reliable long-term use.

Performance metrics include a VSWR of ≤ 1.07:1 and a Return Loss of ≤ 30.04 dB at frequencies ranging from 698 MHz to 1700 MHz. At 2200 MHz, the VSWR is ≤ 1.08:1 with a Return Loss of ≤ 27.99 dB, and at 3400 MHz, a VSWR of ≤ 1...

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RF Specification

Start Frequency
698 GHz
PIM, 3rd Order
-119 dBc
Stop Frequency
3800 GHz
VSWR Measurement

Frequency	VSWR	Return Loss
698 MHz	≤ 1.07:1	≤ 30.04 dB
1700 MHz	≤ 1.07:1	≤ 30.04 dB
2200 MHz	≤ 1.08:1	≤ 27.99 dB
3400 MHz	≤ 1.22:1	≤ 20.01 dB

Physical Specification

Subtype
Jumper Cable
Compliance/Certifications

ISO 9001 Quality Management
,
RoHS
Length
1 m
RF Connectors

RF Interface	Body Shape	Mounting
4.3-10 Male	Straight	Free Hanging
4.3-10 Male	Straight	Free Hanging

RSJ4-50

Min. Frequency
0 GHz
Impedance
50 Ω
Min. Bend Radius Static
31.75 mm
Min. Bend Radius Dynamic
31.75 mm
Max. Frequency
10.2 GHz
Colour
Black
Weight (g/m)
150 g
Cable Layers

Layer	Diameter	Materials
Inner Conductor	3.59 mm	Copper Clad Aluminium (CCA)
Dielectric	9.42 mm	Foamed Polyethylene (EPE)
Outer Conductor	11.99 mm	Corrugated Copper Tube
Outer Jacket	13.41 mm	Polyethylene (PE)

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