

# CommScope HELIAX(r) 1/2" SureFlex(r) Jumper with interface types 4.3-10 Male and 4.3-10 Female, 1m

SKU: ACC-CS-00097

MPN: F4A-HPMHF-1M

## Description

The CommScope HELIAX® 1/2" SureFlex® Jumper Cable (1m, SKU: ACC-CS-00097, Part No: F4A-HPMHF-1M) is a robust RF coaxial cable tailored for optimal performance in wireless networks. Featuring 4.3-10 Male to 4.3-10 Female connectors, this cable is designed for reliable free-hanging installations with a straight body configuration.

Engineered to endure multiple mating cycles, it ensures long-lasting connectivity. The cable supports a third-order PIM rating of -119 dBc, indicating superior signal integrity. Its performance across various frequencies is impressive: with a VSWR of  $\leq 1.07:1$  and a Return Loss of  $\leq 30.04$  dB at 960 MHz and 2200 MHz, and a VSWR of  $\leq 1.08:1$  with a Return Loss of  $\leq 27.99$  dB at 2700 MHz. At 3800 MHz, it maintains a VSWR of  $\leq 1.22:1$  and a Return Loss of  $\leq 20.01$  dB.

This cable assembly meets ISO 9001 Quality Management standards, underscoring its reliability and adherence to quality. Ideal for use in high-demand RF...

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# RF Specification

Start Frequency:	0.7 GHz	Stop Frequency:	2.7 GHz
PIM, 3rd Order:	-119 dBc		

## 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	Length:	1 m
Compliance/Certifications:	ISO 9001 Quality Management		

## RF Connectors

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

## RSJ4-50

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

## 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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