

# CommScope 0.5m 1/2" Jumper Cable with 4.3-10 Male to 4.3-10 Male Connectors

SKU: ACC-CS-00053

MPN: F4-HMHM-M5-P

## Description

The CommScope 0.5m 1/2" Jumper Cable (SKU: ACC-CS-00053), part number F4-HMHM-M5-P, features 4.3-10 Male connectors on both ends, suitable for RF applications demanding flexibility and reliability. This cable belongs to the RSJ4-50 series, a part of the renowned HELIAX® line, known for its superflexible design with a 1/2-inch foam coaxial structure. The cable's corrugated copper outer conductor, shielded by a robust black polyethylene jacket, is ideal for installations with tight space constraints, enabling complex routing without compromising performance.

The RSJ4-50 Jumper Cable supports a wide range of RF applications, with a 3rd Order PIM rating of -119 dBc. At 698 MHz and 1700 MHz, it delivers a VSWR of  $\leq 1.07:1$  and a Return Loss of  $\leq 30.00$  dB, maintaining excellent performance up to 3400 MHz with a VSWR of  $\leq 1.22:1$  and a Return Loss of  $\leq 20.00$  dB. Its design is built to endure multiple mating cycles, ensuring long-term reliability...

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# RF Specification

PIM, 3rd Order: -119 dBc

## VSWR Measurement

Frequency	VSWR	Return Loss
698 MHz	≤ 1.07:1	≤ 30 dB
1700 MHz	≤ 1.07:1	≤ 30 dB
2200 MHz	≤ 1.08:1	≤ 28 dB
3400 MHz	≤ 1.22:1	≤ 20 dB

# Physical Specification

Subtype: Jumper Cable Length: 0.5 m

## RF Connectors

### RF Interface

4.3-10 Male

4.3-10 Male

### Body Shape

Straight

Straight

### Mounting

Free Hanging

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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