

CommScope 5m 1/2" Jumper Cable with 4.3-10 Male to 4.3-10 Male Connectors

SKU: ACC-CS-00058

MPN: F4-HMHM-5M-P

Description

The CommScope 5m 1/2" Jumper Cable (SKU: ACC-CS-00058) features 4.3-10 Male connectors on both ends, ideal for RF applications requiring flexibility and reliability. Part of the HELIAX® RSJ4-50 series, this superflexible coaxial cable is designed for installations demanding tight bends and space efficiency. Its construction includes a corrugated copper outer conductor and a durable black polyethylene jacket, making it suitable for complex routing without compromising performance.

With an operating frequency range of 1 GHz to 4 GHz, the cable maintains a 3rd Order PIM rating of -119 dBc and supports multiple mating cycles. It offers excellent performance with a VSWR of $\leq 1.07:1$ and a Return Loss of ≤ 30.04 dB at 698 MHz and 1700 MHz, and VSWR of $\leq 1.08:1$ at 2200 MHz, ensuring minimal signal reflection and loss.

This cable assembly is compliant with ISO 9001 Quality Management and RoHS standards, ensuring high quality and environmental...

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RF Specification

| | | | |
|------------------|----------|-----------------|---------|
| Start Frequency: | 0.7 GHz | Stop Frequency: | 3.8 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: | 5 m |
| Compliance/Certifications: | ISO 9001 Quality Management | | |
| RoHS | | | |

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 | 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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