

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 ≤ 30.04 dB at 960 MHz and 2200 MHz, and a VSWR of $\leq 1.08:1$ with a Return Loss of ≤ 27.99 dB at 2700 MHz. At 3800 MHz, it maintains a VSWR of $\leq 1.22:1$ and a Return Loss of ≤ 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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