

CommScope RSJ4-50 1/2" SureFlex Jumper Cable with interface types N Male and N Male, 1m

SKU: ACC-CS-00082

MPN: F4A-HPNMNM-1M

Description

The CommScope RSJ4-50 1/2" SureFlex Jumper Cable (SKU: ACC-CS-00082) is a premium RF cable designed for robust antenna systems. With a length of 1 metre, this cable features N Male connectors on both ends for seamless integration. Its 1/2" corrugated design ensures durability and optimal performance, achieving a shielding effectiveness of 110 dB and meeting low Passive Intermodulation (PIM) targets with a 3rd Order PIM rating of -155 dBc.

Operating efficiently within a frequency range of 680 MHz to 2700 MHz, this cable provides excellent VSWR and Return Loss metrics across various frequencies: $\leq 1.07:1$ VSWR and ≤ 30 dB Return Loss at 680 MHz and 1700 MHz, and $\leq 1.11:1$ VSWR and ≤ 26 dB Return Loss at 2200 MHz. The solid corrugated copper outer conductor enhances signal integrity, making it ideal for applications in passive Distributed Antenna Systems.

This cable is RoHS compliant and manufactured under ISO 9001 Quality Management standards...

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RF Specification

| | | |
|--------------------------|----------|-------------|
| PIM, 3rd Order: -155 dBc | | |
| VSWR Measurement | | |
| Frequency | VSWR | Return Loss |
| 960 MHz | ≤ 1.07:1 | ≤ 30 dB |
| 2200 MHz | ≤ 1.07:1 | ≤ 30 dB |
| 2700 MHz | ≤ 1.11:1 | ≤ 26 dB |

Physical Specification

| | | | |
|-----------------------------|--------------|---------|-----|
| Subtype: | Jumper Cable | Length: | 1 m |
| Compliance/Certifications: | RoHS | | |
| ISO 9001 Quality Management | | | |

RF Connectors

| | | |
|--------------|------------|--------------|
| RF Interface | Body Shape | Mounting |
| N Male | Straight | Free Hanging |
| N 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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