

# CommScope FSJ1-50A SureFlex(r) Jumper with interface types N Male and SMA Male, 1 m

SKU: ACC-CS-00371

MPN: F1A-PNMSM-1M

## Description

The CommScope FSJ1-50A SureFlex® Jumper Cable, part number F1A-PNMSM-1M, is a high-performance RF cable designed for reliable connectivity. Measuring 1 metre, it features N Male and SMA Male connectors with a straight body and free-hanging mounting style, ensuring versatile installation options.

This coaxial jumper operates within a frequency range of 700 MHz to 3 GHz, delivering superior signal integrity. It offers a VSWR of  $\leq 1.22:1$  and a Return Loss of  $\leq 20.01$  dB at 700 MHz, making it ideal for demanding RF applications. The cable is built to endure multiple mating cycles, ensuring longevity and consistent performance.

Compliant with ISO 9001 Quality Management and RoHS standards, this cable assembly also meets IEC 60068-2-14 mechanical standards for temperature change, guaranteeing robust performance in varying environmental conditions.

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## RF Specification

|   |                      |                    |       |
|---|----------------------|--------------------|-------|
| Start Frequency:  | CommScope<br>0.7 GHz | Stop Frequency:    | 3 GHz |
|  <p>CommScope (NASDAQ: COMM) helps design, build and manage wired and wireless networks around the world. As a communications infrastructure leader, we shape the always-on networks of tomorrow. For more than 40 years, our global team of greater than 20,000 employees, innovators and technologists have empowered customers in all regions of the world to anticipate what's next and push the boundaries of</p> |                      |                    |       |
| VSWR Measurement  |                      |                    |       |
| <b>Frequency</b>  | <b>VSWR</b>          | <b>Return Loss</b> |       |
| 3000 MHz  | $\leq 1.22:1$        | $\leq 20.01$ dB    |       |

# Physical Specification

|          |              |         |     |
|----------|--------------|---------|-----|
| Subtype: | Jumper Cable | Length: | 1 m |
|----------|--------------|---------|-----|

|                            |      |
|----------------------------|------|
| Compliance/Certifications: | RoHS |
|----------------------------|------|

ISO 9001 Quality Management

## RF Connectors

### RF Interface

N Male

SMA Male

### Body Shape

Straight

Straight

### Mounting

Free Hanging

Free Hanging

## FSJ1-50A

|                 |       |                 |        |
|-----------------|-------|-----------------|--------|
| Min. Frequency: | 0 GHz | Max. Frequency: | 18 GHz |
|-----------------|-------|-----------------|--------|

|            |    |         |       |
|------------|----|---------|-------|
| Impedance: | 50 | Colour: | Black |
|------------|----|---------|-------|

|                          |         |               |      |
|--------------------------|---------|---------------|------|
| Min. Bend Radius Static: | 25.4 mm | Weight (g/m): | 70 g |
|--------------------------|---------|---------------|------|

|                           |         |
|---------------------------|---------|
| Min. Bend Radius Dynamic: | 25.4 mm |
|---------------------------|---------|

## Cable Layers

| Layer           | Diameter | Materials                   |
|-----------------|----------|-----------------------------|
| Inner Conductor | 1.91 mm  | Copper Clad Aluminium (CCA) |
| Dielectric      | 4.83 mm  | Foamed Polyethylene (EPE)   |
| Outer Conductor | 6.35 mm  | Corrugated Copper Tube      |
| Outer Jacket    | 7.37 mm  | Polyethylene (PE)           |

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