

# CommScope RSJ4-50 SureFlex(r) Jumper with interface types N Male and N Male, 0.5m

SKU: ACC-CS-00094

MPN: F4S-NMNM-M5-P

## Description

The CommScope RSJ4-50 SureFlex Jumper Cable, model F4S-NMNM-M5-P, is a high-performance RF coaxial cable featuring N Male to N Male connectors. Measuring 0.5 metres and weighing 150 grams, this cable is constructed from 1/2" corrugated coaxial material, known for its reliability in large antenna systems and DAS applications.

Key features include a solid corrugated copper outer conductor offering 110 dB shielding, ensuring low PIM levels with a 3rd Order PIM rating of -112 dBc. It operates effectively within a frequency range of 1 GHz to 3 GHz, suitable for various networking needs. The cable's durability supports multiple mating cycles, ideal for dynamic environments.

Performance metrics at 960 MHz and 2200 MHz show a VSWR of  $\leq 1.07:1$  and Return Loss of  $\leq 30.04$  dB, while at 2700 MHz, it maintains a VSWR of  $\leq 1.11:1$  and Return Loss of  $\leq 25.96$  dB. These specifications underscore its capability for consistent signal transmission.

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# RF Specification

PIM, 3rd Order: -112 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	≤ 1.11:1	≤ 25.96 dB

# Physical Specification

Subtype: Jumper Cable Length: 0.5 m

Compliance/Certifications: ISO 9001 Quality Management

# RF Connectors

### RF Interface

N Male

N 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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