

# 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  $\leq 30$  dB Return Loss at 680 MHz and 1700 MHz, and  $\leq 1.11:1$  VSWR and  $\leq 26$  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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## CommScope

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# RF Specification

PIM, 3rd Order:	-155 dBc
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## 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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