

CommScope FSJ1-50A SureFlex Jumper with interface types 4.3-10 Male and SMA Male, 1m

SKU: ACC-CS-00372

MPN: F1A-HMSM-1M

Description

The CommScope FSJ1-50A SureFlex Jumper (SKU: ACC-CS-00372) is a premium 1m RF coaxial cable designed for high-performance applications. Featuring a 4.3-10 Male connector and an SMA Male connector, both with straight body shapes and free-hanging mounting styles, this cable is ideal for versatile connectivity needs. Engineered to endure multiple mating cycles, it supports an operating frequency range from 700 GHz to 3000 GHz, making it suitable for a wide array of RF applications.

Performance metrics are impressive, with a VSWR of $\leq 1.22:1$ and a return loss of ≤ 20.01 dB at 1000 MHz. At 4500 MHz, the VSWR is $\leq 1.29:1$ with a return loss of ≤ 18.00 dB, ensuring minimal signal reflection and optimal signal integrity across its operational range.

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RF Specification

Start Frequency: 0.7 GHz Stop Frequency: 6 GHz

VSWR Measurement

Frequency	VSWR	Return Loss
3000 MHz	≤ 1.22:1	≤ 20.01 dB
6000 MHz	≤ 1.29:1	≤ 18 dB

Physical Specification

Subtype: Jumper Cable Length: 1 m

RF Connectors

RF Interface	Body Shape	Mounting
4.3-10 Male	Straight	Free Hanging
SMA Male	Straight	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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