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

CommScope, a leader in communication infrastructure, has been shaping global networks for over 40 years. With a presence in more than 130 countries, CommScope is renowned for its innovative RF...

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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 ...

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

RF Interface	Body Shape	Mounting
SMA Male	Straight	Free Hanging

FSJ1-50A

Min. Frequency
0 GHz
Impedance
50 Ω
Min. Bend Radius Static
25.4 mm
Min. Bend Radius Dynamic
25.4 mm
Max. Frequency
18 GHz
Colour
Black
Weight (g/m)
70 g
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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