

# 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  $\leq 20.01$  dB at 1000 MHz. At 4500 MHz, the VSWR is  $\leq 1.29:1$  with a return loss of  $\leq 18.00$  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...

[Read More](#)



**COMMSCOPE®**

## CommScope

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
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)

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

