

#### PRODUCT DATASHEET

## 1/4" Superflex Coax Jumpers

Premium Jumper Assembly

1/4" Superflexible Coaxial Cable

RFS Technologies' coaxial jumpers are engineered to deliver superior electrical performance and long-term reliability in demanding wireless infrastructure environments. Each jumper is built using premium-grade cables and connectors, ensuring consistent performance and durability in the field. The manufacturing process is tightly controlled and optimized to achieve outstanding VSWR and PIM performance, meeting or exceeding industry standards. RFS Technologies offers a wide variety of jumper configurations—including different cable types, connector interfaces, and lengths—to meet diverse application and site requirements.

43M43MS14-0100FFP for illustration

#### **FEATURES / BENEFITS**

#### · Premium cable and connector components

Ensures superior signal integrity and long-term reliability, minimizing signal loss and degradation over time.

## Precision manufacturing process optimized for VSWR and PIM

Guarantees consistent, high-quality RF performance and reduced intermodulation interference, improving overall network efficiency.

## · Wide range of configurations available

Allows flexibility to match site-specific requirements, simplifying installation and minimizing the need for adapters or field modifications.

### · Robust mechanical design and factory testing

Ensures durability in harsh environmental conditions and reliable operation throughout the product's service.

## **Technical features**

	ICTI	

Cable Type	1/4" Superflexible Foam Coaxial	
Jumper Type	Factory-Fit Premium (FFP)	
Connector A	4.3-10 Male, 2.2-5, NEX10, N-type, 7/16 DIN Male or Female, Straight or Right Angle, with or without weatherproof boot	
Connector B	4.3-10 Male, 2.2-5, NEX10, N-type, 7/16 DIN Male or Female, Straight or Right Angle, with or without weatherproof boot	
Jacket	Black Polyethylene, Halogen-free	

## **MECHANICAL SPECIFICATIONS**

Minimum Bend Radius	mm (in)	25 (0.98)
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#### **TESTING AND ENVIRONMENTAL**

Sealing class	IP68

#### **TEMPERATURE SPECIFICATIONS**

Installation Temperature	°C (°F)	-40 to 60 (-40 to 140 )	
Operation Temperature	°C (°F)	-50 to 85 (-58 to 185 )	
Storage Temperature	°C (°F)	-70 to 85 (-94 to 185 )	

## **ELECTRICAL SPECIFICATIONS**

Intermodulation, 3rd Order	dBc	≤ -162 static & -155 dynamic	
Peak Power Rating	kW	kW 5.5	
RF Peak Voltage	Volts	740	

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Premium Jumper Assembly 1/4" Superflexible Coaxial Cable

## JUMPER RETURN LOSS (VSWR), 0-30FT LENGTH

Frequency [MHz]	Straight / Straight [dB]	Right Angle / Right Angle [dB]
0 - 1000	>28.3 (1.08)	>28.3 (1.08)
>1000-1700	>28.3 (1.08)	>24.4 (1.13)
>1700-2200	>28.3 (1.08)	>24.4 (1.13)
>2200-2700	>26.4 (1.10)	>23.0 (1.15)
>2700-3800	>23.1 (1.15)	>19.5 (1.24)
>3800-5000	>20.8 (1.20)	>18.1 (1.28)
>5000-6000	>17.7 (1.30)	>17.0 (1.30)

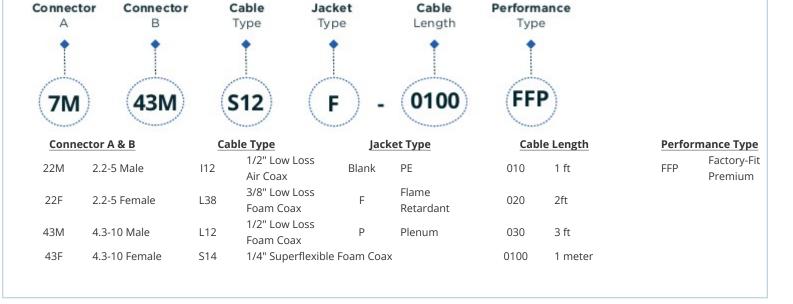
## **JUMPER RETURN LOSS (VSWR), 31-60FT LENGTH**

Frequency [MHz]	Straight / Straight [dB]	Right Angle / Right Angle [dB]
0 - 1000	>28.3 (1.08)	>28.3 (1.08)
>1000-1700	>26.4 (1.10)	>22.0 (1.17)
>1700-2200	>26.4 (1.10)	>22.0 (1.17)
>2200-2700	>24.9 (1.12)	>22.0 (1.17)
>2700-3800	>23.1 (1.15)	>17.0 (1.33)
>3800-5000	>19.1 (1.25)	>16.0 (1.38)
>5000-6000	>17.7 (1.3.3)	>15.0 (1.43)

External Document Links Cable Specifications SCF14-50J Handling instruction

### Notes

## **Jumper Model Nomenclature**



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# Premium Jumper Assembly

1/4" Superflexible Coaxial Cable

43MR	4.3-10 Male Right Angle	S38	3/8" Superflexible Foam Coax	0200	2 meter
7M	7/16 DIN Male	S12	1/2" Superflexible Foam Coax	0250	25 meter
7F	7/16 DIN Female			3 digits	feet length
7MR	7/16 DIN Male Right Angle			4 digits	meter length
NM	N-type Male				

NMR N-type Male Right Angle
NXM NEX10 Male
NXF NEX10 Female

NF

N-type Female

43MB 4.3-10 Male with Weatherboot
7MB 7/16 DIN Male with Weatherboot
NMB N-type Male with Weatherboot
NXMB NEX10 Male with Weatherboot

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