

Radio Frequency Systems' CELLFLEX[®] Factory-Fit Jumpers feature specially designed connectors which are soldered-on in a strictly controlled industrial process to ensure industry leading performance for today's high-performance wireless systems. The connector design and manufacturing process has been optimized to produce premium VSWR and IM levels. Injection molded boots provide reliable and repeatable additional sealing level and strain relief. Our facilities produce and stock all popular lengths as required by the industry, and can deliver custom lengths with premium VSWR and IM levels on request.

f. e. 43M43MS38-0100FFP

FEATURES / BENEFITS

- Stable premium VSWR, outstanding and consistent intermodulation performance 4.3-10 side not relying on coupling torque
- Improves network performance, reduces the number of dropped calls and avoids revenue loss.
- · Waterproof to IP 68
- No downtime risk, secures revenue.
- Smaller connector footprint for 4.3-10
- Enables tighter spacing of connections for antennas and RRHs.
- Available with standard ""J"" or flame retardant ""JFN"" jacket types Usable in all applications.
- $\boldsymbol{\cdot}$ Compliant to RoHS (EU) and CRoHS (China)

Usable on a global basis.

Technical features

0 - 1000

>1000-1700

STRUCTURE			
Cable Type		3/8" Superflexible Foam	
Jumper Type		Factory-Fit (Premium)	
Dielectric		Foam Polyethylene	
Gasket		Silicone rubber	
Jacket		Black Polyethylene, Halogen-free acc. IEC 60754-1 and -2	
MECHANICAL SPECIFICATIONS			
Minimum Bend Radius	mm (in)	25 (0.98)	
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 & -159 dynamic	
Peak Power Rating	kW	8.1	
RF Peak Voltage	Volts	900	
JUMPER RETURN LOSS (VSWR), 0-30	FT LENGTH		
Frequency [MHz]	Straight / Straight [dB]		Right Angle / Right Angle [dB]

JUMPER-S38-FFP REV DATE: 08 Dec 2022 www.rfstechnologies.com

>28.3

>28.3

>28.3

>24.4



>1700-2200	>28.3	>24.4	
>2200-2700	>26.4	>23.0	
>2700-3800	>23.1	>19.5	
>3800-5000	>20.8	>18.1	
>5000-6000	>17.7	>17.0	
HIMPER RETURNIL OCC (VCIVIC) 24 COST LENGTH			

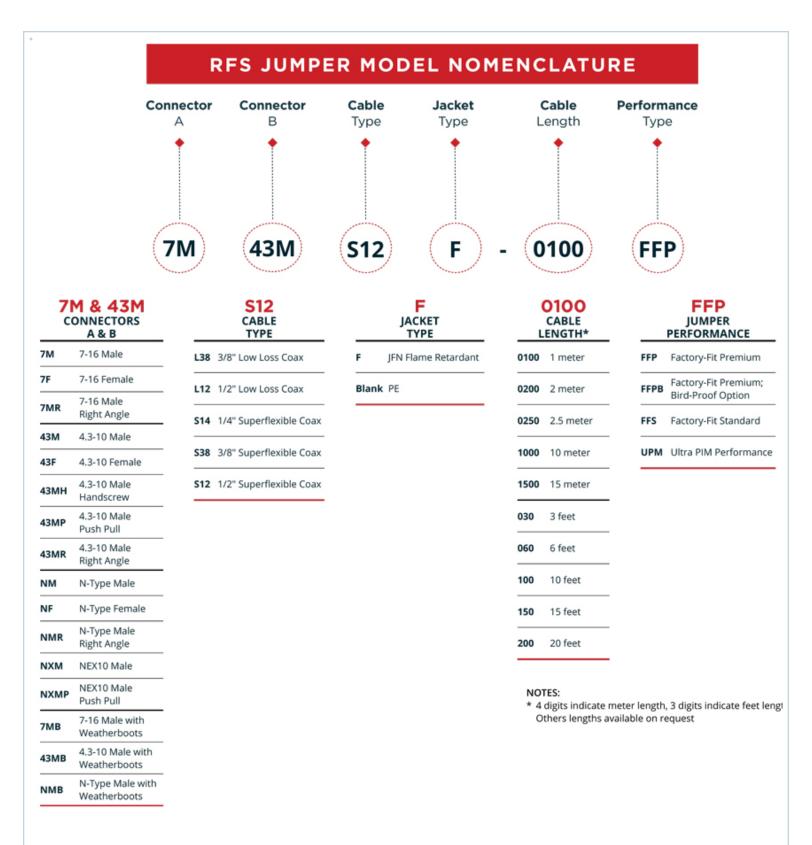
JUMPER RETURN LOSS (VSWR), 31-60FT LENGTH

Frequency [MHz]	Straight / Straight [dB]	Right Angle / Right Angle [dB]
0 - 1000	>28.3	>28.3
>1000-1700	>26.4	>22.0
>1700-2200	>26.4	>22.0
>2200-2700	>24.9	>22.0
>2700-3800	>23.1	>17.0
>3800-5000	>19.1	>16.0
>5000-6000	>17.7	>15.0

COMBINATIONS

Model Name	Connector 1	Connector 2
43M43MS38-XXXXFFP	4.3-10 Male	4.3-10 Male
43M43MRS38-XXXXFFP	4.3-10 Male	4.3-10 Male Right Angle
43MR43MRS38-XXXXFFP	4.3-10 Male Right Angle	4.3-10 Male Right Angle
XXXX in the model name is the length; as well for jumper with boots acc. to nomenclature		
43MB43MBS38-XXXXFFP	4.3-10 Male + Boot	4.3-10 Male + Boot

JUMPER-S38-FFP REV : J REV DATE : 08 Dec 2022 www.rfstechnologies.com



JUMPER-S38-FFP REV DATE: 08 Dec 2022 www.rfstechnologies.com



External Document Links Cable SCF38-50J Handling instruction Jumper Brochure Notes

JUMPER-S38-FFP REV : J REV DATE : 08 Dec 2022 www.rfstechnologies.com