

Radio Frequency Systems' CELLFLEX<sup>®</sup> 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.
- · Compliant to RoHS (EU) and CRoHS (China)
- Usable on a global basis.

## **Technical features**

STRUCTURE				
Cable Type		3/8" Superflexible Foam		
Jumper Type		Factory-Fit (Premium)		
Dielectric		Foam Polyethylene		
Gasket		Silicone rubber		
Jacket		JFN: halogen free, non corrosive, flame retardant, low smoke, polyolefin, Test methods for fire behaviour of cable: IEC 60754-1/-2 halogen free, non corrosive, IEC 61034 low smoke emission, IEC 60332-1 flame retardant		
MECHANICAL SPECIFICATIONS				
Minimum Bend Radius	mm (in)	25 (0.98)		
TESTING AND ENVIRONMENTAL				
Sealing class		IP68		
TEMPERATURE SPECIFICATIONS				
Installation Temperature	°C (°F)	-25 to 60 (-13 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		

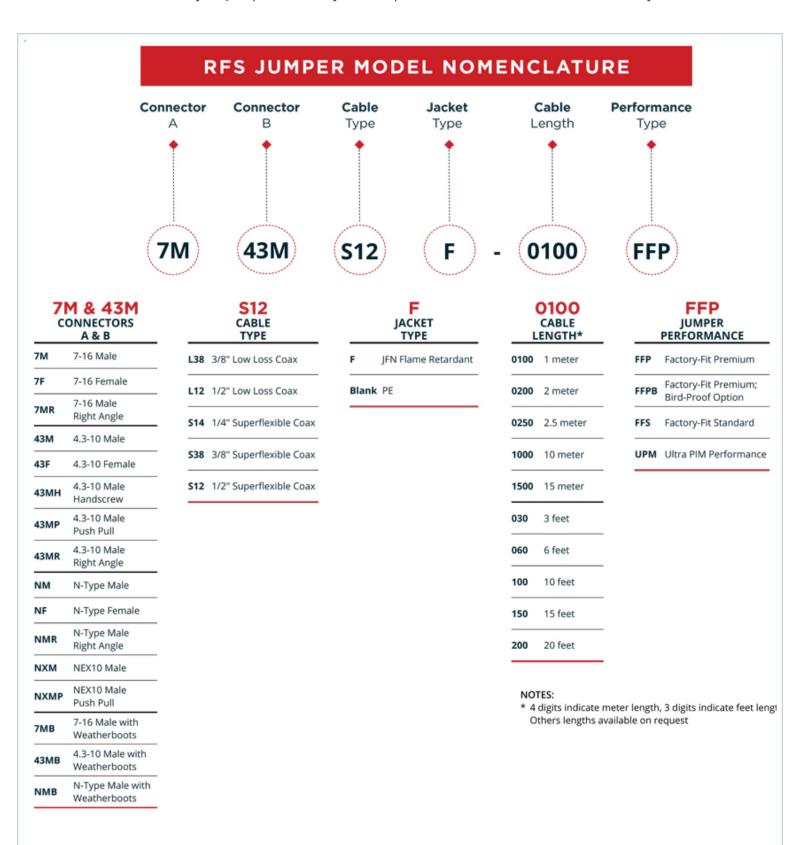
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Frequency [MHz]	Straight / Straight [dB]	Right Angle / Right Angle [dB]
0 - 1000	>28.3	>28.3
>1000-1700	>28.3	>24.4
>1700-2200	>28.3	>24.4
>2200-2700	>26.4	>23.0
>2700-3800	>23.1	>19.5
>3800-5000	>20.8	>18.1
>5000-6000	>17.7	>17.0
UMPER RETURN LOSS (VSWR), 31-6	OFT 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
OMBINATIONS		
Model Name	Connector 1	Connector 2
I3M43MS38F-XXXXFFP	4.3-10 Male	4.3-10 Male
3M43MRS38F-XXXXFFP	4.3-10 Male	4.3-10 Male Right Angle
3MR43MRS38F-XXXXFFP	4.3-10 Male Right Angle	4.3-10 Male Right Angle
XXX in the model name is the ength; as well for jumper with oots acc. to nomenclature		

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

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