



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.

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.



7M7MS12-0100FFP for EXAMPLE

Technical features**STRUCTURE**

Cable Type		1/2" Low Loss Foam
Jumper Type		Factory-Fit (Premium)
Dielectric		PTFE
Gasket		Silicone rubber
Jacket		Black Polyethylene, Halogen-free acc. IEC 60754-1 and -2

MECHANICAL SPECIFICATIONS

Minimum Bend Radius	mm (in)	125 (5)
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TESTING AND ENVIRONMENTAL

Sealing class		IP68
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ELECTRICAL SPECIFICATIONS

Intermodulation, 3rd Order	dBc	≤ See table below
Screen Efficiency	(db)	
Power Rating	(W)	

TEMPERATURE SPECIFICATIONS

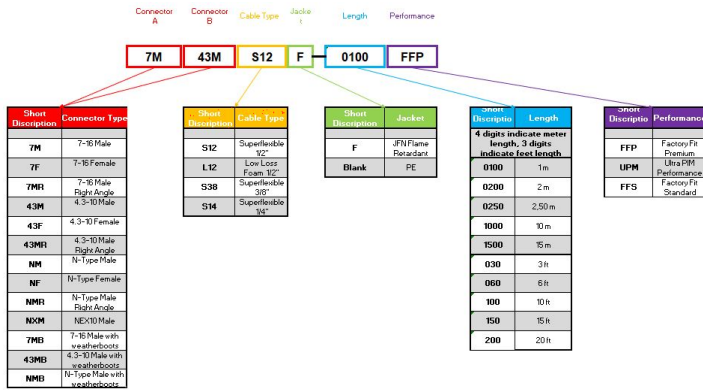
Installation Temperature	°C (°F)	-40 to 60 (-40 to 140)
Operation Temperature	°C (°F)	-50 to 85 (-58 to 185)
Storage Temperature	°C (°F)	-70 to 85 (-94 to 185)

Length 0 - 10 m			Length 10 - 20 m		
Frequency	Straight/Straight	Right Angle/Right Angle	Frequency	Straight/Straight	Right Angle/Right Angle
[MHz]	[dB] (VSWR)	[dB] (VSWR)	[MHz]	[dB] (VSWR)	[dB] (VSWR)
0-1000	≥28 (≤1.08)	≥28 (≤1.08)	0-1000	≥28 (≤1.08)	≥28 (≤1.08)
>1000-1700	≥28 (≤1.08)	≥26 (≤1.1)	>1000-1700	≥26 (≤1.1)	≥24 (≤1.135)
>1700-2200	≥28 (≤1.08)	≥26 (≤1.1)	>1700-2200	≥26 (≤1.1)	≥24 (≤1.135)
>2200-2700	≥26 (≤1.1)	≥24 (≤1.12)	>2200-2700	≥24 (≤1.12)	≥24 (≤1.135)
>2700-3800	≥23 (≤1.15)	≥23 (≤1.15)	>2700-3800	≥21 (≤1.2)	≥19 (≤1.25)



JUMPER-L12-FFP

CELLFLEX® Factory-Fit Jumper Assembly, 1/2" Low Loss Foam



Jumper Nomenclature

Combinations			
Model Name	Connector 1	Connector 2	Intermodulation (PIM)
7M7ML12-XXXXFFP	7-16 Male	7-16 Male	≤ -153 (-161 typical)
7M7FL12-XXXXFFP	7-16 Male	7-16 Female	≤ -153 (-161 typical)
7M7MRL12-XXXXFFP	7-16 Male	7-16 Male Right Angle	≤ -153 (-161 typical)
7M43ML12-XXXXFFP	7-16 Male	4.3-10 Male	≤ -153 (-161 typical)
7M43FL12-XXXXFFP	7-16 Male	4.3-10 Female	≤ -153 (-161 typical)
7M43MRL12-XXXXFFP	7-16 Male	4.3-10 Male Right Angle	≤ -153 (-161 typical)
7MNMFL12-XXXXFFP	7-16 Male	N-Male	≤ -153
7MNMFL12-XXXXFFP	7-16 Male	N-Female	≤ -153
7MNMRL12-XXXXFFP	7-16 Male	N-Male Right Angle	≤ -153
7F7FL12-XXXXFFP	7-16 Female	7-16 Female	≤ -153 (-161 typical)
7F7MFL12-XXXXFFP	7-16 Female	7-16 Male Right Angle	≤ -153 (-161 typical)
7F43FL12-XXXXFFP	7-16 Female	4.3-10 Male	≤ -153 (-161 typical)
7F43FL12-XXXXFFP	7-16 Female	4.3-10 Female	≤ -153 (-161 typical)
7F43MFL12-XXXXFFP	7-16 Female	4.3-10 Male Right Angle	≤ -153 (-161 typical)
7FNMFL12-XXXXFFP	7-16 Female	N-Male	≤ -153
7FNFL12-XXXXFFP	7-16 Female	N-Female	≤ -153
7MR7MRL12-XXXXFFP	7-16 Male Right Angle	7-16 Male Right Angle	≤ -153 (-161 typical)
7MR43ML12-XXXXFFP	7-16 Male Right Angle	4.3-10 Male	≤ -153 (-161 typical)
7MR43FL12-XXXXFFP	7-16 Male Right Angle	4.3-10 Female	≤ -153 (-161 typical)
7MR43MRL12-XXXXFFP	7-16 Male Right Angle	4.3-10 Male Right Angle	≤ -153 (-161 typical)
7MRNMFL12-XXXXFFP	7-16 Male Right Angle	N-Male	≤ -153
7MRNMFL12-XXXXFFP	7-16 Male Right Angle	N-Female	≤ -153
43M43ML12-XXXXFFP	4.3-10 Male	4.3-10 Male	≤ -153 (-161 typical)
43M43FL12-XXXXFFP	4.3-10 Male	4.3-10 Female	≤ -153 (-161 typical)
43M43MRL12-XXXXFFP	4.3-10 Male	4.3-10 Male Right Angle	≤ -153 (-161 typical)
43MNMFL12-XXXXFFP	4.3-10 Male	N-Male	≤ -153
43MNMFL12-XXXXFFP	4.3-10 Male	N-Female	≤ -153
43MNMRL12-XXXXFFP	4.3-10 Male	N-Male Right Angle	≤ -153
43F43FL12-XXXXFFP	4.3-10 Female	4.3-10 Female	≤ -153 (-161 typical)
43F43MFL12-XXXXFFP	4.3-10 Female	4.3-10 Male Right Angle	≤ -153 (-161 typical)
43FNFL12-XXXXFFP	4.3-10 Female	N-Male	≤ -153
43FNFL12-XXXXFFP	4.3-10 Female	N-Female	≤ -153
43MR43MRL12-XXXXFFP	4.3-10 Male Right Angle	4.3-10 Male Right Angle	≤ -153 (-161 typical)
43MRNMFL12-XXXXFFP	4.3-10 Male Right Angle	N-Male	≤ -153
43MRNMFL12-XXXXFFP	4.3-10 Male Right Angle	N-Female	≤ -153
NMNMFL12-XXXXFFP	N-Male	N-Male	≤ -153
NMNMFL12-XXXXFFP	N-Male	N-Female	≤ -153
NMNMRL12-XXXXFFP	N-Male	N-Male Right Angle	≤ -153
NFNFL12-XXXXFFP	N-Female	N-Female	≤ -153
NFNMFL12-XXXXFFP	N-Female	N-Male Right Angle	≤ -153
NMRNMFL12-XXXXFFP	N-Male Right Angle	N-Male Right Angle	≤ -153

XXXX in the model name is the length; as well for jumper with boots
acc. to nomenclature

External Document Links

[LCF12-50J](#)[Handling instruction](#)

Notes