

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.

7MB43MBL12-0500FFP for EXAMPLE

Right Angle / Right Angle [dB] (VSWR)

>28.3 (≤1.08)

>26.4 (≤1.10)

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.
- \cdot Compliant to RoHS (EU) and CRoHS (China)

Usable on a global basis.

Technical features

Frequency [MHz]

0 - 1000

>1000-1700

STRUCTURE				
Cable Type		1/2" Low Loss 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)	125 (5)		
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	≤ -159 static & dynamic (-161 typical)		
Peak Power Rating	kW	8.1		
RF Peak Voltage	Volts	900		
JUMPER RETURN LOSS (VSWR), 0-30	FT LENGTH			

JUMPER-L12-FFP REV : J REV DATE : 01 Jun 2022 www.rfstechnologies.com

Straight / Straight [dB] (VSWR)

>28.3 (≤1.08)

>28.3 (≤1.08)

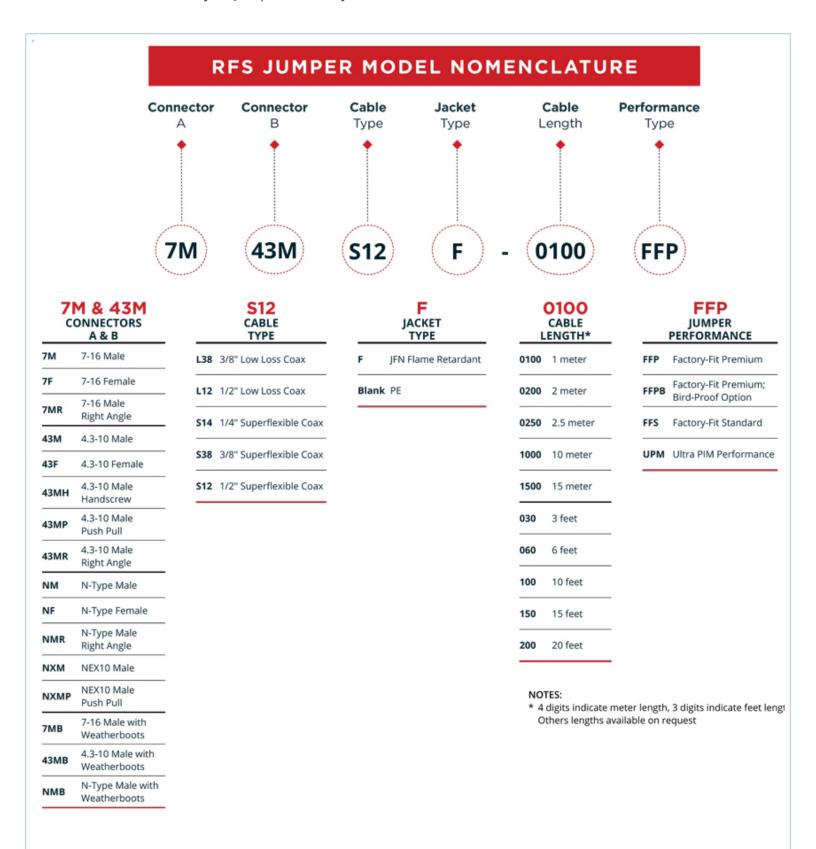


>1700-2200	>28.3 (≤1.08)	>26.4 (≤1.10)
>2200-2700	>26.4 (≤1.10)	>24.9 (≤1.12)
>2700-3800	>23.1 (≤1.15)	>20.8 (≤1.20)
>3800-5000	>20.8 (≤1.20)	>19.1 (≤1.25)
>5000-6000	>17.7 (≤1.30)	>17.7 (≤1.30)
UMPER RETURN LOSS (VSWR), 31-60F	T LENGTH	
Frequency [MHz]	Straight / Straight [dB] (VSWR)	Right Angle / Right Angle [dB] (VSWR)
0 - 1000	>28.3 (≤1.08)	>28.3 (≤1.08)
>1000-1700	>26.4 (≤1.10)	>24.0 (≤1.14)
>1700-2200	>26.4 (≤1.10)	>24.0 (≤1.14)
>2200-2700	>24.9 (≤1.12)	>24.0 (≤1.14)
>2700-3800	>23.1 (≤1.15)	>19.1 (≤1.25)
>3800-5000	>19.1 (≤1.25)	>18.2 (≤1.28)
>5000-6000	>17.7 (≤1.30)	>16.0 (≤1.38)
COMBINATIONS		
Model Name	Connector 1	Connector 2
7M7ML12-XXXXFFP	7-16 Male	7-16 Male
7M7FL12-XXXXFFP	7-16 Male	7-16 Female
7M7MRL12-XXXXFFP	7-16 Male	7-16 Male Right Angle
7M43ML12-XXXXFFP	7-16 Male	4.3-10 Male
7M43FL12-XXXXFFP	7-16 Male	4.3-10 Female
7M43MRL12-XXXXFFP	7-16 Male	4.3-10 Male Right Angle
7MNML12-XXXXFFP	7-16 Male	N-Male
7MNFL12-XXXXFFP	7-16 Male	N-Female
7F7FL12-XXXXFFP	7-16 Female	7-16 Female
7F7MRL12-XXXXFFP	7-16 Female	7-16 Male Right Angle
7F43ML12-XXXXFFP	7-16 Female	4.3-10 Male
7F43FL12-XXXXFFP	7-16 Female	4.3-10 Female
7F43MRL12-XXXXFFP	7-16 Female	4.3-10 Male Right Angle
7FNML12-XXXXFFP	7-16 Female	N-Male
7FNFL12-XXXXFFP	7-16 Female	N-Female
7MR7MRL12-XXXXFFP	7-16 Male Right Angle	7-16 Male Right Angle
7MR43ML12-XXXXFFP	7-16 Male Right Angle	4.3-10 Male
7MR43FL12-XXXXFFP	7-16 Male Right Angle	4.3-10 Female
7MR43MRL12-XXXXFFP	7-16 Male Right Angle	4.3-10 Male Right Angle
7MRNML12-XXXXFFP	7-16 Male Right Angle	N-Male



7MRNFL12-XXXXFFP	7-16 Male Right Angle	N-Female
43M43ML12-XXXXFFP	4.3-10 Male	4.3-10 Male
43M43FL12-XXXXFFP	4.3-10 Male	4.3-10 Female
43M43MRL12-XXXXFFP	4.3-10 Male	4.3-10 Male Right Angle
43MNML12-XXXXFFP	4.3-10 Male	N-Male
43MNFL12-XXXXFFP	4.3-10 Male	N-Female
43F43FL12-XXXXFFP	4.3-10 Female	4.3-10 Female
43F43MRL12-XXXXFFP	4.3-10 Female	4.3-10 Male Right Angle
43FNML12-XXXXFFP	4.3-10 Female	N-Male
43FNFL12-XXXXFFP	4.3-10 Female	N-Female
43MR43MRL12-XXXXFFP	4.3-10 Male Right Angle	4.3-10 Male Right Angle
43MRNML12-XXXXFFP	4.3-10 Male Right Angle	N-Male
43MRNFL12-XXXXFFP	4.3-10 Male Right Angle	N-Female
NMNML12-XXXXFFP	N-Male	N-Male
NMNFL12-XXXXFFP	N-Male	N-Female
NFNFL12-XXXXFFP	N-Female	N-Female
43FNXML12-XXXXFFP	4.3-10 Female	NEX10 Male
43MNXML12-XXXXFFP	4.3-10 Male	NEX10 Male
43MRNXML12-XXXXFFP	4.3-10 Male Right Angle	NEX10 Male
7FNXML12-XXXXFFP	7-16 Female	NEX10 Male
7MNXML12-XXXXFFP	7-16 Male	NEX10 Male
7MRNXML12-XXXXFFP	7-16 Male Right Angle	NEX10 Male
NFNXML12-XXXXFFP	N-Female	NEX10 Male
NMNXML12-XXXXFFP	N-Male	NEX10 Male
XXXX in the model name is the length; as well for jumper with boots acc. to nomenclature	(Boot examples below)	(Boot examples below)
43MB43MBL12-XXXXFFP	4.3-10 Male + Boot	4.3-10 Male + Boot
7MB7MBL12-XXXXFFP	7-16 Male + Boot	7-16 Male + Boot
NMBNMBL12-XXXXFFP	N-Male + Boot	N-Male + Boot







External Document Links LCF12-50J Handling instruction Jumper Brochure Notes