

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.



7M43MS12-0600FFP for EXAMPLE

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

Frequency [MHz]

0 - 1000

>1000-1700

STRUCTURE			
Cable Type		1/2" 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)	32 (1.25)	
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		

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Straight / Straight [dB] (VSWR)

>28.3 (≤1.08)

>28.3 (≤1.08)

Right Angle / Right Angle [dB] (VSWR)

>28.3 (≤1.08)

>26.4 (≤1.10)



>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)
JUMPER 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
7M7MS12-XXXXFFP	7-16 Male	7-16 Male
7M7FS12-XXXXFFP	7-16 Male	7-16 Female
7M7MRS12-XXXXFFP	7-16 Male	7-16 Male Right Angle
7M43MS12-XXXXFFP	7-16 Male	4.3-10 Male
7M43FS12-XXXXFFP	7-16 Male	4.3-10 Female
7M43MRS12-XXXXFFP	7-16 Male	4.3-10 Male Right Angle
7MNMS12-XXXXFFP	7-16 Male	N-Male
7MNFS12-XXXXFFP	7-16 Male	N-Female
7MNMRS12-XXXXFFP	7-16 Male	N-Male Right Angle
7F7FS12-XXXXFFP	7-16 Female	7-16 Female
7F7MRS12-XXXXFFP	7-16 Female	7-16 Male Right Angle
7F43MS12-XXXXFFP	7-16 Female	4.3-10 Male
7F43FS12-XXXXFFP	7-16 Female	4.3-10 Female
7F43MRS12-XXXXFFP	7-16 Female	4.3-10 Male Right Angle
7FNMS12-XXXXFFP	7-16 Female	N-Male
7FNFS12-XXXXFFP	7-16 Female	N-Female
7FNMRS12-XXXXFFP	7-16 Female	N-Male Right Angle
7MR7MRS12-XXXXFFP	7-16 Male Right Angle	7-16 Male Right Angle
7MR43MS12-XXXXFFP	7-16 Male Right Angle	4.3-10 Male
7MR43FS12-XXXXFFP	7-16 Male Right Angle	4.3-10 Female

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71011(17/101512 7000)(111	N-Female	NEX10 Male
7MRNXMS12-XXXXFFP	7-16 Male Right Angle	NEX10 Male
7MNXMS12-XXXXFFP	7-16 Male	NEX10 Male
7FNXMS12-XXXXFFP	7-16 Female	NEX10 Male
43MRNXMS12-XXXXFFP	4.3-10 Male Right Angle	NEX10 Male
43MNXMS12-XXXXFFP	4.3-10 Male	NEX10 Male
43FNXMS12-XXXXFFP	4.3-10 Female	NEX10 Male
NMRNMRS12-XXXXFFP	N-Male Right Angle	N-Male Right Angle
NFNMRS12-XXXXFFP	N-Female	N-Male Right Angle
NMNMRS12-XXXXFFP NFNFS12-XXXXFFP	N-Male N-Female	N-Male Right Angle N-Female
NMNMS12-XXXXFFP NMNFS12-XXXXFFP	N-Male N-Male	N-Male N-Female
43MRNMRS12-XXXXFFP	4.3-10 Male Right Angle	N-Male Right Angle
43MRNFS12-XXXXFFP	4.3-10 Male Right Angle	N-Female
43MRNMS12-XXXXFFP	4.3-10 Male Right Angle	N-Male
43MR43MRS12-XXXXFFP	4.3-10 Male Right Angle	4.3-10 Male Right Angle
43FNMRS12-XXXXFFP	4.3-10 Female	N-Male Right Angle
43FNFS12-XXXXFFP	4.3-10 Female	N-Female
43FNMS12-XXXXFFP	4.3-10 Female	N-Male
43F43MRS12-XXXXFFP	4.3-10 Female	4.3-10 Male Right Angle
43F43FS12-XXXXFFP	4.3-10 Female	4.3-10 Female
43MNMRS12-XXXXFFP	4.3-10 Male	N-Male Right Angle
43MNFS12-XXXXFFP	4.3-10 Male	N-Female
43MNMS12-XXXXFFP	4.3-10 Male	N-Male
43M43MRS12-XXXXFFP	4.3-10 Male	4.3-10 Male Right Angle
43M43FS12-XXXXFFP	4.3-10 Male	4.3-10 Female
43M43MS12-XXXXFFP	4.3-10 Male	4.3-10 Male
7MRNMRS12-XXXXFFP	7-16 Male Right Angle	N-Male Right Angle
7MRNFS12-XXXXFFP	7-16 Male Right Angle	N-Female
7MRNMS12-XXXXFFP	7-16 Male Right Angle	N-Male
7MR43MRS12-XXXXFFP 7MRNMS12-XXXXFFP 7MRNFS12-XXXXFFP 7MRNMPS12-XXXXFFP	7-16 Male Right Angle	N-Female

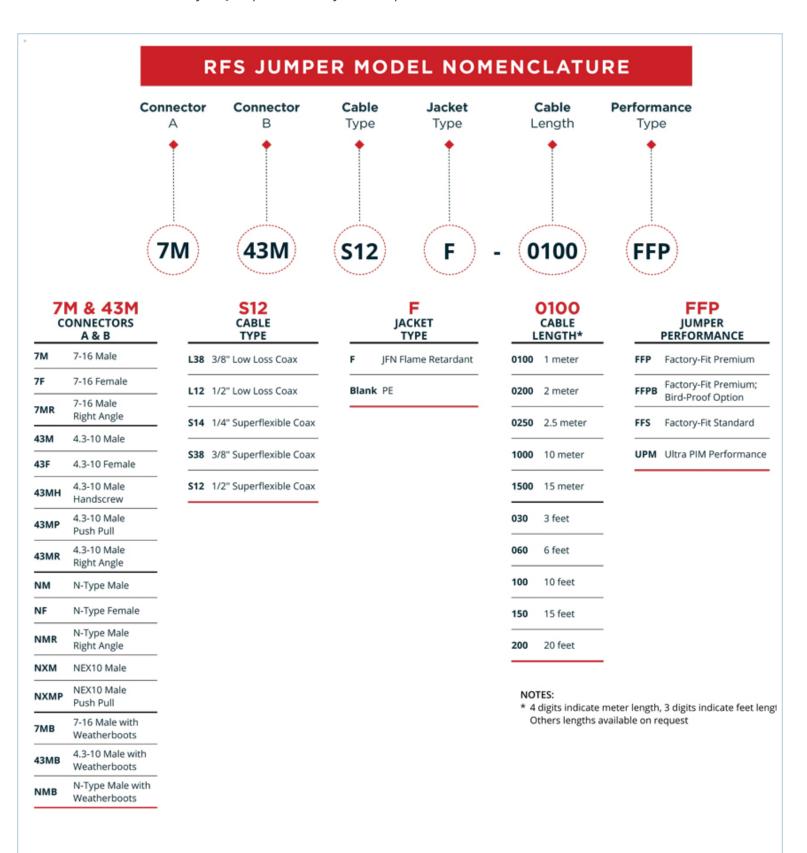
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7MB7MBS12-XXXXFFP	7-16 Male + Boot	7-16 Male + Boot
NMBNMBS12-XXXXFFP	N-Male + Boot	N-Male + Boot

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External Document Links Cable SCF12-50J Handling instruction Jumper Brochure	
Notes	

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