

**JUMPER-S12FB-FFP**

CELLFLEX® Factory-Fit Jumper Assembly, 1/2" Superflexible Foam, with CPR rated jacket



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.
- **Compliant to RoHS (EU) and CROHS (China)**
Usable on a global basis.
- **Compliant to ANATEL (Brazil)**
ANATEL standard compliant jumpers available on request. Model number suffix xxx-ANA.

Technical Features**STRUCTURE**

Cable Type	1/2" Superflexible Foam
Jumper Type	Factory-Fit (Premium)
Dielectric	Foam Polyethylene
Gasket	Silicone rubber
Jacket	Meets/Exceeds: IEC 60754-1, -2; IEC 60332-1-1; IEC 61034-1, -2; IEC 60332-3-24; EN45545-2

TESTING AND ENVIRONMENTAL

Sealing class	IP68
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MECHANICAL SPECIFICATIONS

Minimum Bend Radius	32mm (1.25in)
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ELECTRICAL SPECIFICATIONS

Intermodulation	-159 static & dynamic (-161 typical) 3rd Order
Peak Power Rating	8.1
Peak Power Voltage	900

TEMPERATURE SPECIFICATIONS

Installation Temperature	-25°C to 60°C (-13°F to 140°F)
Operation Temperature	-50°C to 85°C (-58°F to 185°F)
Storage Temperature	-70°C to 85°C (-94°F to 185°F)



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JUMPER VSWR 0 - 10 M

Frequency	Straight / Straight	Right Angle / Right Angle
Frequency [MHz]	Straight / Straight [dB] (VSWR)	Right Angle / Right Angle [dB] (VSWR)
0 - 1000	>28.3 (≤1.08)	>28.3 (≤1.08)
>1000-1700	>28.3 (≤1.08)	>26.4 (≤1.10)
>1700-2200	>28.0 (≤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)

JUMPER VSWR 10 - 20 M

Frequency	Straight / Straight	Right Angle / Right Angle
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)

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COMBINATIONS

Model Name	Connector 1	Connector 2
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7M7MS12FB-XXXXFFP	7-16 Male	7-16 Male
7M7FS12FB-XXXXFFP	7-16 Male	7-16 Female
7M7MRS12FB-XXXXFFP	7-16 Male	7-16 Male Right Angle
7M43MS12FB-XXXXFFP	7-16 Male	4.3-10 Male
7M43FS12FB-XXXXFFP	7-16 Male	4.3-10 Female
7M43MRS12FB-XXXXFFP	7-16 Male	4.3-10 Male Right Angle
7MNMS12FB-XXXXFFP	7-16 Male	N-Male
7MNFS12FB-XXXXFFP	7-16 Male	N-Female
7MNMRS12FB-XXXXFFP	7-16 Male	N-Male Right Angle
7F7FS12FB-XXXXFFP	7-16 Female	7-16 Female
7F7MRS12FB-XXXXFFP	7-16 Female	7-16 Male Right Angle
7F43MS12FB-XXXXFFP	7-16 Female	4.3-10 Male
7F43FS12FB-XXXXFFP	7-16 Female	4.3-10 Female
7F43MRS12FB-XXXXFFP	7-16 Female	4.3-10 Male Right Angle
7FNMS12FB-XXXXFFP	7-16 Female	N-Male
7FNFS12FB-XXXXFFP	7-16 Female	N-Female
7FNMRS12FB-XXXXFFP	7-16 Female	N-Male Right Angle
7MR7MRS12FB-XXXXFFP	7-16 Male Right Angle	7-16 Male Right Angle
7MR43MS12FB-XXXXFFP	7-16 Male Right Angle	4.3-10 Male
7MR43FS12FB-XXXXFFP	7-16 Male Right Angle	4.3-10 Female
7MR43MRS12FB-XXXXFFP	7-16 Male Right Angle	4.3-10 Male Right Angle
7MRNMS12FB-XXXXFFP	7-16 Male Right Angle	N-Male
7MRNFS12FB-XXXXFFP	7-16 Male Right Angle	N-Female
7MRNMRS12FB-XXXXFFP	7-16 Male Right Angle	N-Male Right Angle
43M43MS12FB-XXXXFFP	4.3-10 Male	4.3-10 Male
43M43FS12FB-XXXXFFP	4.3-10 Male	4.3-10 Female
43M43MRS12FB-XXXXFFP	4.3-10 Male	4.3-10 Male Right Angle
43MNMS12FB-XXXXFFP	4.3-10 Male	N-Male
43MNFS12FB-XXXXFFP	4.3-10 Male	N-Female
43MNMRS12FB-XXXXFFP	4.3-10 Male	N-Male Right Angle
43F43FS12FB-XXXXFFP	4.3-10 Female	4.3-10 Female
43F43MRS12FB-XXXXFFP	4.3-10 Female	4.3-10 Male Right Angle
43FNMS12FB-XXXXFFP	4.3-10 Female	N-Male
43FNFS12FB-XXXXFFP	4.3-10 Female	N-Female
43FNMRS12FB-XXXXFFP	4.3-10 Female	N-Male Right Angle
43MR43MRS12FB-XXXXFFP	4.3-10 Male Right Angle	4.3-10 Male Right Angle
43MRNMS12FB-XXXXFFP	4.3-10 Male Right Angle	N-Male
43MRNFS12FB-XXXXFFP	4.3-10 Male Right Angle	N-Female
43MRNMRS12FB-XXXXFFP	4.3-10 Male Right Angle	N-Male Right Angle
NMNMS12FB-XXXXFFP	N-Male	N-Male
NMNFS12FB-XXXXFFP	N-Male	N-Female
NMNMRS12FB-XXXXFFP	N-Male	N-Male Right Angle



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NFNFS12FB-XXXXFFP	N-Female	N-Female
NFNMRS12FB-XXXXFFP	N-Female	N-Male Right Angle
NMRNMRS12FB-XXXXFFP	N-Male Right Angle	N-Male Right Angle
43FNXMS12FB-XXXXFFP	4.3-10 Female	NEX10 Male
43MNXMS12FB-XXXXFFP	4.3-10 Male	NEX10 Male
43MRNXMS12FB-XXXXFFP	4.3-10 Male Right Angle	NEX10 Male
7FNXMS12FB-XXXXFFP	7-16 Female	NEX10 Male
7MNXMS12FB-XXXXFFP	7-16 Male	NEX10 Male
7MRNXMS12FB-XXXXFFP	7-16 Male Right Angle	NEX10 Male
NFNXMS12FB-XXXXFFP	N-Female	NEX10 Male
NMNXMS12FB-XXXXFFP	N-Male	NEX10 Male
NMRNXMS12FB-XXXXFFP	N-Male Right Angle	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)
43MB43MBS12FB-XXXXFFP	4.3-10 Male + Boot	4.3-10 Male + Boot
7MB7MBS12FB-XXXXFFP	7-16 Male + Boot	7-16 Male + Boot
NMBNMBS12FB-XXXXFFP	N-Male + Boot	N-Male + Boot

Related Documents

 **Cable SCF12-50JFN**
External Datasheet

 **Jumper Brochure**
External Datasheet

 **Handling instruction**
Installation Instructions