



JUMPER-S12F-FFP

CELLFLEX® Factory-Fit Jumper Assembly, 1/2" Superflexible Foam, with flame retardant 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.
- **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.
- **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	JFN: halogen free, non corrosive, flame retardant, low smoke, polyolefin, Test methods for fire behaviour of cable: IEC 60754-1/-2 halogen free and non corrosive, IEC 61034 low smoke emission, IEC 60332-1 flame retardant

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)
>3800-5000	>20.8 (≤1.20)	>19.1 (≤1.25)
>5000-6000	>17.7 (≤1.30)	>17.7 (≤1.30)

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)
>3800-5000	>19.1 (≤1.25)	>18.2 (≤1.28)
>5000-6000	>17.7 (≤1.30)	>16.0 (≤1.38)



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COMBINATIONS

Model Name	Connector 1	Connector 2
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7M7MS12F-XXXXFFP	7-16 Male	7-16 Male
7M7FS12F-XXXXFFP	7-16 Male	7-16 Female
7M7MRS12F-XXXXFFP	7-16 Male	7-16 Male Right Angle
7M43MS12F-XXXXFFP	7-16 Male	4.3-10 Male
7M43FS12F-XXXXFFP	7-16 Male	4.3-10 Female
7M43MRS12F-XXXXFFP	7-16 Male	4.3-10 Male Right Angle
7MNMS12F-XXXXFFP	7-16 Male	N-Male
7MNFS12F-XXXXFFP	7-16 Male	N-Female
7MNMRS12F-XXXXFFP	7-16 Male	N-Male Right Angle
7F7FS12F-XXXXFFP	7-16 Female	7-16 Female
7F7MRS12F-XXXXFFP	7-16 Female	7-16 Male Right Angle
7F43MS12F-XXXXFFP	7-16 Female	4.3-10 Male
7F43FS12F-XXXXFFP	7-16 Female	4.3-10 Female
7F43MRS12F-XXXXFFP	7-16 Female	4.3-10 Male Right Angle
7FNMS12F-XXXXFFP	7-16 Female	N-Male
7FNFS12F-XXXXFFP	7-16 Female	N-Female
7FNMRS12F-XXXXFFP	7-16 Female	N-Male Right Angle
7MR7MRS12F-XXXXFFP	7-16 Male Right Angle	7-16 Male Right Angle
7MR43MS12F-XXXXFFP	7-16 Male Right Angle	4.3-10 Male
7MR43FS12F-XXXXFFP	7-16 Male Right Angle	4.3-10 Female
7MR43MRS12F-XXXXFFP	7-16 Male Right Angle	4.3-10 Male Right Angle
7MRNMS12F-XXXXFFP	7-16 Male Right Angle	N-Male
7MRNFS12F-XXXXFFP	7-16 Male Right Angle	N-Female
7MRNMRS12F-XXXXFFP	7-16 Male Right Angle	N-Male Right Angle
43M43MS12F-XXXXFFP	4.3-10 Male	4.3-10 Male
43M43FS12F-XXXXFFP	4.3-10 Male	4.3-10 Female
43M43MRS12F-XXXXFFP	4.3-10 Male	4.3-10 Male Right Angle
43MNMS12F-XXXXFFP	4.3-10 Male	N-Male
43MNFS12F-XXXXFFP	4.3-10 Male	N-Female
43MNMRS12F-XXXXFFP	4.3-10 Male	N-Male Right Angle
43F43FS12F-XXXXFFP	4.3-10 Female	4.3-10 Female
43F43MRS12F-XXXXFFP	4.3-10 Female	4.3-10 Male Right Angle
43FNMS12F-XXXXFFP	4.3-10 Female	N-Male
43FNFS12F-XXXXFFP	4.3-10 Female	N-Female
43FNMRS12F-XXXXFFP	4.3-10 Female	N-Male Right Angle
43MR43MRS12F-XXXXFFP	4.3-10 Male Right Angle	4.3-10 Male Right Angle
43MRNMS12F-XXXXFFP	4.3-10 Male Right Angle	N-Male
43MRNFS12F-XXXXFFP	4.3-10 Male Right Angle	N-Female
43MRNMRS12F-XXXXFFP	4.3-10 Male Right Angle	N-Male Right Angle
NMNMS12F-XXXXFFP	N-Male	N-Male
NMNFS12F-XXXXFFP	N-Male	N-Female
NMNMRS12F-XXXXFFP	N-Male	N-Male Right Angle



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NFNFS12F-XXXXFFP	N-Female	N-Female
NFNMRS12F-XXXXFFP	N-Female	N-Male Right Angle
NMRNMRS12F-XXXXFFP	N-Male Right Angle	N-Male Right Angle
43FNXMS12F-XXXXFFP	4.3-10 Female	NEX10 Male
43MNXMS12F-XXXXFFP	4.3-10 Male	NEX10 Male
43MRNXMS12F-XXXXFFP	4.3-10 Male Right Angle	NEX10 Male
7FNXMS12F-XXXXFFP	7-16 Female	NEX10 Male
7MNXMS12F-XXXXFFP	7-16 Male	NEX10 Male
7MRNXMS12F-XXXXFFP	7-16 Male Right Angle	NEX10 Male
NFNXMS12F-XXXXFFP	N-Female	NEX10 Male
NMNXMS12F-XXXXFFP	N-Male	NEX10 Male
NMRNXMS12F-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)
43MB43MBS12F-XXXXFFP	4.3-10 Male + Boot	4.3-10 Male + Boot
7MB7MBS12F-XXXXFFP	7-16 Male + Boot	7-16 Male + Boot
NMBNMBS12F-XXXXFFP	N-Male + Boot	N-Male + Boot

Related Documents



Cable SCF12-50JFN
External Datasheet



Jumper Brochure
External Datasheet



Handling instruction
Installation Instructions