



JUMPER-L12F-FFP

CELLFLEX® Factory-Fit Jumper Assembly, 1/2" Low Loss 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" Low Loss 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	125mm (5in)
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ELECTRICAL SPECIFICATIONS

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

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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)

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	>28.3 (≤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 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
Model Name	Connector 1	Connector 2
7M7ML12F-XXXXFFP	7-16 Male	7-16 Male
7M7FL12F-XXXXFFP	7-16 Male	7-16 Female
7M7MRL12F-XXXXFFP	7-16 Male	7-16 Male Right Angle
7M43ML12F-XXXXFFP	7-16 Male	4.3-10 Male
7M43FL12F-XXXXFFP	7-16 Male	4.3-10 Female
7M43MRL12F-XXXXFFP	7-16 Male	4.3-10 Male Right Angle
7MNML12F-XXXXFFP	7-16 Male	N-Male
7MNFL12F-XXXXFFP	7-16 Male	N-Female
7F7FL12F-XXXXFFP	7-16 Female	7-16 Female
7F7MRL12F-XXXXFFP	7-16 Female	7-16 Male Right Angle
7F43ML12F-XXXXFFP	7-16 Female	4.3-10 Male
7F43FL12F-XXXXFFP	7-16 Female	4.3-10 Female
7F43MRL12F-XXXXFFP	7-16 Female	4.3-10 Male Right Angle
7FNML12F-XXXXFFP	7-16 Female	N-Male
7FNFL12F-XXXXFFP	7-16 Female	N-Female
7MR7MRL12F-XXXXFFP	7-16 Male Right Angle	7-16 Male Right Angle
7MR43ML12F-XXXXFFP	7-16 Male Right Angle	4.3-10 Male
7MR43FL12F-XXXXFFP	7-16 Male Right Angle	4.3-10 Female
7MR43MRL12F-XXXXFFP	7-16 Male Right Angle	4.3-10 Male Right Angle
7MRNML12F-XXXXFFP	7-16 Male Right Angle	N-Male
7MRNFL12F-XXXXFFP	7-16 Male Right Angle	N-Female
43M43ML12F-XXXXFFP	4.3-10 Male	4.3-10 Male
43M43FL12F-XXXXFFP	4.3-10 Male	4.3-10 Female
43M43MRL12F-XXXXFFP	4.3-10 Male	4.3-10 Male Right Angle
43MNML12F-XXXXFFP	4.3-10 Male	N-Male
43MNFL12F-XXXXFFP	4.3-10 Male	N-Female
43F43FL12F-XXXXFFP	4.3-10 Female	4.3-10 Female
43F43MRL12F-XXXXFFP	4.3-10 Female	4.3-10 Male Right Angle
43FNML12F-XXXXFFP	4.3-10 Female	N-Male
43FNFL12F-XXXXFFP	4.3-10 Female	N-Female
43MR43MRL12F-XXXXFFP	4.3-10 Male Right Angle	4.3-10 Male Right Angle
43MRNML12F-XXXXFFP	4.3-10 Male Right Angle	N-Male
43MRNFL12F-XXXXFFP	4.3-10 Male Right Angle	N-Female
NMNML12F-XXXXFFP	N-Male	N-Male
NMNFL12F-XXXXFFP	N-Male	N-Female
NFNFL12F-XXXXFFP	N-Female	N-Female
43FNXML12F-XXXXFFP	4.3-10 Female	NEX10 Male
43MNXML12F-XXXXFFP	4.3-10 Male	NEX10 Male
43MRNXML12F-XXXXFFP	4.3-10 Male Right Angle	NEX10 Male
7FNXML12F-XXXXFFP	7-16 Female	NEX10 Male
7MNXML12F-XXXXFFP	7-16 Male	NEX10 Male
7MRNXML12F-XXXXFFP	7-16 Male Right Angle	NEX10 Male



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NFNXML12F-XXXXFFP	N-Female	NEX10 Male
NMNXML12F-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)
43MB43MBL12F-XXXXFFP	4.3-10 Male + Boot	4.3-10 Male + Boot
7MB7MBL12F-XXXXFFP	7-16 Male + Boot	7-16 Male + Boot
NMBNMBL12F-XXXXFFP	N-Male + Boot	N-Male + Boot

Related Documents



Cable LCF12-50JFN
External Datasheet



Jumper Brochure
External Datasheet



Handling instruction
Installation Instructions