PRODUCT DATASHEET

JUMPER-L12-FFP

CELLFLEX® Factory-Fit Jumper Assembly, 1/2" Low Loss Foam

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.

Feature / 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	Black Polyethylene, Halogen-free acc. IEC 60754-1 and -2

TESTING AND ENVIRONMENTAL

Sealing class	IP68

MECHANICAL SPECIFICATIONS

Minimum Bend Radius	125mm (5in)

ELECTRICAL SPECIFICATIONS

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

TEMPERATURE SPECIFICATIONS

Installation Temperature	-40°C to 60°C (-40°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
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

Notes

Related Documents

LCF12-50J
External Datasheet