

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.



7M7MRL38-0100FFP for EXAMPLE

Technical features

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Cable Type	3/8" 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

MECHANICAL SPECIFICATIONS

Minimum Bend Radius	mm (in)	25 (0.98)
TESTING AND ENVIRONMENTAL		

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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), 0-30FT LENGTH

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

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>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 RETURN LOSS (VSWR), 31-60FT LENGTH

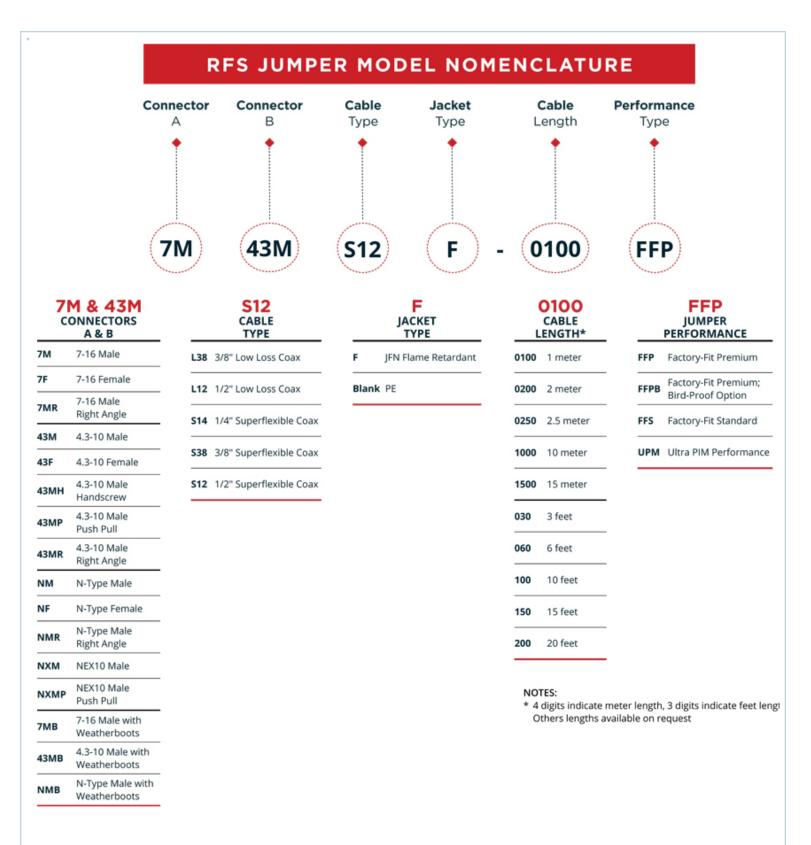
Frequency [MHz]	Straight / Straight [dB] (VSWR)	Right Angle / Right Angle [dB] (VSWR)
0 - 1000	>28.0 (≤1.08)	>28.0 (≤1.08)
>1000-1700	>26.4 (≤1.10)	>24.0 (≤1.14)
>1700-2200	>26.4 (≤1.10)	>24.0 (≤1.14)
>2200-2700	>24.9 (≤1.12)	>24.0 (≤1.14)
>2700-3800	>23.1 (≤1.15)	>19.1 (≤1.25)
>3800-5000	>19.1 (≤1.25)	>18.2 (≤1.28)
>5000-6000	>17.7 (≤1.30)	>16.0 (≤1.38)

COMBINATIONS

Model Name	Connector 1	Connector 2
7MR43ML38-XXXXFFP	7-16 Male Right Angle	4.3-10 Male
43MR43ML38-XXXXFFP	4.3-10 Male Right Angle	4.3-10 Male

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External Document Links Cable LCF38-50J Handling instruction Jumper Brochure	
Notes	
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