



## CELLFLEX® Factory Fit Jumper Assembly, Weatherproof Boot 4.3-10 Male/4.3-10 Male, 1/2" Low Loss Foam, 3 ft

Radio Frequency Systems' CELLFLEX® SecureFit RF 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 PIM 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 PIM levels on request.



SecureFit RF Jumper

### FEATURES / BENEFITS

- **Stable premium VSWR, outstanding and consistent intermodulation performance**  
Improves network performance, reduces the number of dropped calls and avoids revenue loss.
- **Can be installed over 25 times without damage or degradation.**
- **Waterproof to IP 66/67/68, per IEC 60529-1**  
No downtime risk, secures revenue.
- **Specially designed factory-installed connectors**  
Provides superior mechanical and electrical, long-life performance
- **Patent pending design features drainage channel**  
Ensures minimal water pooling at connector and boot intersection.
- **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.

### Technical Features

#### STRUCTURE

Cable Type		1/2" Low Loss Foam
Jumper Type		Factory-Fit (Premium)
Connector A		4.3-10 Male
Center Contact Connector A		Brass, Silver plated
Outer Contact Connector A		Brass, Trimetal plated
Coupling Nut Connector A		Hexagon nut, Nickel plated
Connector B		4.3-10 Male
Center Contact Connector B		Brass, Silver plated
Outer Contact Connector B		Brass, Trimetal plated
Coupling Nut Connector B		Hexagon nut, Nickel plated
Dielectric		PTFE
Gasket		Silicone rubber
Jacket		Black Polyethylene

#### MECHANICAL SPECIFICATIONS

Length	m (ft)	0.91 (3)
Weatherproofing		Pre-assembled RFS boot
Weatherproofing Material		Silicone
UV Resistance		ASTM G155 for 1000 hours
Minimum Bend Radius	mm (in)	70 (3)

#### TESTING AND ENVIRONMENTAL

Sealing class		IP66/67/68 over operating temperatures
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#### ELECTRICAL SPECIFICATIONS

Intermodulation	dBc	≤ -159 (- 161 typical)
VSWR, Return Loss	VSWR (dB)	≤ 1.058 (31) @ 10 - 1000 MHz ≤ 1.074 (29) @ 1000 - 1700 MHz ≤ 1.740 (29) @ 1700 - 2200 MHz ≤ 1.094 (27) @ 2200 - 2700 MHz ≤ 1.119 (25) @ 2700 - 3800 MHz

#### 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 )



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External Document Links	Notes
Cable LCF12-50J Installation Instructions	