



CELLFLEX® Factory-Fit Jumper Assembly, Weatherproof Boot 7-16 DIN Male/7-16 DIN Male, 1/2" Low Loss Foam, 4 ft

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 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.



FEATURES / BENEFITS

- ➔ **Stable premium VSWR, outstanding and consistent passive intermodulation performance**
Improves network performance, reduces the number of dropped calls and avoids revenue loss.
- ➔ **Waterproof to IP 66/67/68**
No downtime risk, secures revenue.
- ➔ **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		7-16 DIN 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		7-16 DIN 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)	1.22 (4)
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; Adapter included for fully-threaded applications
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ELECTRICAL SPECIFICATIONS

Intermodulation	dBc	≤ -159 (- 161 typical)
VSWR, Return Loss	VSWR (dB)	≤ 1.051 (32) @ 10 - 1000 MHz ≤ 1.065 (30) @ 1000 - 1700 MHz ≤ 1.065 (30) @ 1700 - 2200 MHz ≤ 1.083 (28) @ 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)

External Document Links

Cable LCF12-50J
Installation Instructions

Notes