



## CELLFLEX® Factory-Fit Premium Jumper Assembly 4.3-10 Male/NEX10 Male, 1/4" Superflexible Foam, 5.0 m

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.



NXMNMS14-0100FFP for illustration

### FEATURES / BENEFITS

- ➔ **Stable premium VSWR supporting up to 6GHz, outstanding and consistent intermodulation performance - not relying on coupling torque**  
Improves network performance, reduces the number of dropped calls and avoids revenue loss.
- ➔ **Outstanding PIM Performance**  
Premium family supports Static PIM -162 dBc, Dynamic PIM -159 dBc for NXMNMX Jumpers; Static PIM -162 dBc, Dynamic PIM -155 dBc for 43MNXM & 43M43M Jumpers
- ➔ **Waterproof to IP 68**  
No downtime risk, secures revenue.
- ➔ **Smaller connector footprint for 4.3-10 and NEX10**  
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.

### Technical Features

#### STRUCTURE

Cable Type		1/4" Superflexible Foam
Jumper Type		Factory-Fit (Premium)
Connector A		4.3-10 Male
Center Contact Connector A		Brass, Silver plated
Outer Contact Connector A		Brass, Silver plated
Coupling Nut Connector A		Hexagon nut, Nickel plated
Connector B		NEX10 Male
Center Contact Connector B		Brass, Silver plated
Outer Contact Connector B		Brass, Silver plated
Coupling Nut Connector B		Hexagon nut, Nickel plated
Dielectric		PTFE
Gasket		Silicone rubber
Jacket		Black Polyethylene

#### MECHANICAL SPECIFICATIONS

Length	m (ft)	5 (16.4)
Minimum Bend Radius	mm (in)	25 (0.98)

#### TESTING AND ENVIRONMENTAL

Sealing class		IP68
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#### ELECTRICAL SPECIFICATIONS

Intermodulation	dBc	≤ -162 (Static), -155 (Dynamic)
VSWR, Return Loss	VSWR (dB)	≤ 1.065 (30) @ 10 - 1000 MHz ≤ 1.083 (28) @ 1000 - 2200 MHz ≤ 1.106 (26) @ 2200 - 2700 MHz ≤ 1.134 (24) @ 2700 - 3800 MHz ≤ 1.184 (21.5) @ 5100 - 5925 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 SCF14-50J  
Handling instruction

#### Notes