



## CELLFLEX® Factory-Fit Jumper Assembly, 1/2" Superflexible Foam, Flame Retardant, N Male / N Male, 0.5 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.



Picture shows 7M7FS12F-0100FFP for illustration purpose

### FEATURES / BENEFITS

- ➔ **Stable premium VSWR, outstanding and consistent intermodulation performance**  
Improved network performance, reduces the number of dropped calls and avoids revenue loss
- ➔ **Waterproof to IP 68**  
No downtime risk, secures revenue.
- ➔ **Jumper label is serialized**  
Ensure traceability.
- ➔ **Compliant to RoHS (EU) and CRoHS (China)**  
Usable on a global basis.

### Technical Features

#### STRUCTURE

|                            |  |  |
|----------------------------|--|--|
| Cable Type                 |  | 1/2" Superflexible Foam  |
| Jumper Type                |  | Factory-Fit (Premium)  |
| Connector A                |  | N 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                |  | N 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                     |  | JFN: halogen free, non corrosive, flame retardant, low smoke, polyolefin |

#### MECHANICAL SPECIFICATIONS

|                     |         |           |
|---------------------|---------|-----------|
| Length              | m (ft)  | 0.5 (1.6) |
| Minimum Bend Radius | mm (in) | 32 (1.25) |

#### TESTING AND ENVIRONMENTAL

|               |  |      |
|---------------|--|------|
| Sealing class |  | IP68 |
|---------------|--|------|

#### ELECTRICAL SPECIFICATIONS

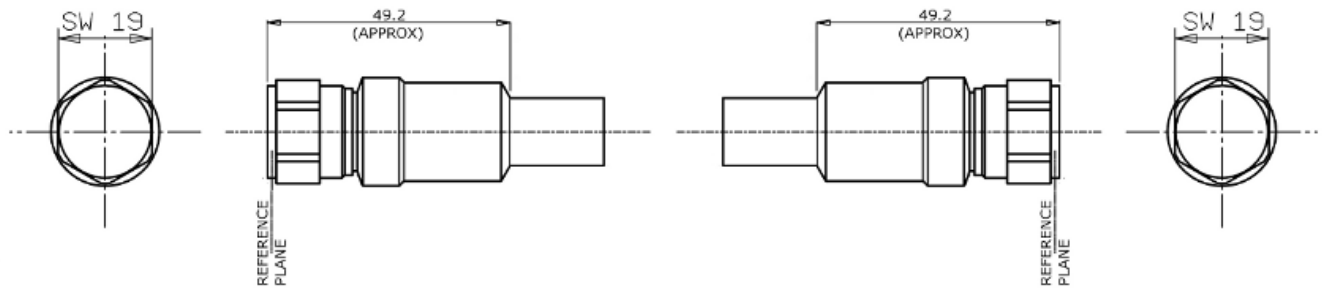
|                   |           |  |
|-------------------|-----------|--|
| Intermodulation   | dBc       | ≤ -159 (typical)   |
| VSWR, Return Loss | VSWR (dB) | ≤ 1.052 (32) @ 10 - 1000 MHz<br>≤ 1.065 (30) @ 1000 - 1700 MHz<br>≤ 1.065 (30) @ 1700 - 2200 MHz<br>≤ 1.083 (28) @ 2200 - 2700 MHz |

#### TEMPERATURE SPECIFICATIONS

|                          |         |                        |
|--------------------------|---------|------------------------|
| Installation Temperature | °C (°F) | -25 to 60 (-13 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**

Cable SCF12-50JFN  
Handling instruction

**Notes**