



CELLFLEX® Factory-Fit Jumper Assembly, N Male / N Male, 1/2" Superflexible Foam

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. Shrink 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.



Picture shows 7M7FS12-0100FFP for illustration purpose

* Available for North American market

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.
- ➔ 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" 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 | | Black Polyethylene |

MECHANICAL SPECIFICATIONS

| | | |
|---------------------|---------|-----------|
| Length | m (ft) | 1.22 (4) |
| Minimum Bend Radius | mm (in) | 32 (1.25) |

TESTING AND ENVIRONMENTAL

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

ELECTRICAL SPECIFICATIONS

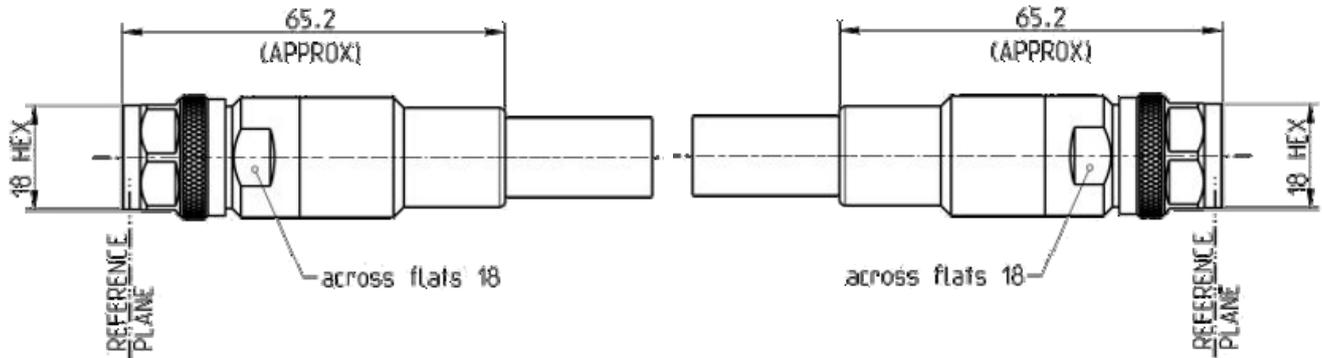
| | | |
|-------------------|-----------|---|
| Intermodulation | dBc | ≤ -159 (typical) |
| VSWR, Return Loss | VSWR (dB) | ≤ 1.065 (30) @ 410 - 470 MHz ≤ 1.065 (30) @ 698 - 1000 MHz ≤ 1.065 (30) @ 1710 - 1990 MHz ≤ 1.065 (30) @ 2000 - 2200 MHz ≤ 1.083 (28) @ 2200 - 2700 MHz |

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

Cable SCF12-50J
Handling instruction

Notes