



CELLFLEX® Factory-Fit Jumper Assembly, 4.3-10 Male / 4.3-10 Male Right Angle

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.



shows 43M43MS12F-0100FFP for illustration

FEATURES / BENEFITS

- ➔ **Stable premium VSWR, outstanding and consistent intermodulation performance - not relying on coupling torque**
Improves network performance, reduces the number of dropped calls and avoids revenue loss.
- ➔ **Waterproof to IP 68**
No downtime risk, secures revenue.
- ➔ **Smaller connector footprint for 4.3-10**
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 | | 1/2" 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, Trimetal plated |
| Coupling Nut Connector A | | Hexagon nut, Nickel plated |
| Connector B | | 4.3-10 Male Right Angel |
| 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, Test methods for fire behaviour of cable :, IEC 60754-1/-2 smoke emission: halogen free, non corrosive, IEC 61034 low smoke, IEC 60332-1 flame retardant |

MECHANICAL SPECIFICATIONS

| | | |
|---------------------|---------|-----------|
| Length | m (ft) | 1 (3.3) |
| Minimum Bend Radius | mm (in) | 32 (1.25) |

TESTING AND ENVIRONMENTAL

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

ELECTRICAL SPECIFICATIONS

| | | |
|-------------------|-----------|---|
| Intermodulation | dBc | ≤ -159 (- 161 typical) |
| VSWR, Return Loss | VSWR (dB) | ≤ 1.041 (34) @ 410 - 470 MHz ≤ 1.041 (34) @ 698 - 1000 MHz ≤ 1.052 (32) @ 1710 - 2200 MHz ≤ 1.065 (30) @ 2200 - 2700 MHz ≤ 1.083 (28) @ 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 SCF12-50JFN
Handling instruction

Notes