PRODUCT DATASHEET

# NMNMI12P-100FFP

ClearFill®Line Factory-Fit Jumper Assembly for In-Building Application, NM/NM, 1/2" ClearFill®Line Plenum-Rated Air Dielectric, 10 ft

Radio Frequency Systems' ClearFill®Line plenum-rated, air-dielectric factory-fit jumpers feature unique soldered-on connectors for today's high-performance wireless systems. The connector design and manufacturing process has been optimized to produce premium VSWR and IM levels for 2G, 3G and 4G systems. ClearFill®Line plenum-rated cable is listed to the highest in-building standards, CMP-ETL listed to UL444, Canadian CSA C.22.2/FT6.



NMNMI12P-060FFP shown 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.
- **Meets the most stringent plenum cable standards**
  Ensures low flame spread and low smoke characteristics

## Technical features

### STRUCTURE

| | | |
|---|---|---|
| **Cable Type** | | 1/2" Low Loss, Air Dielectric |
| **Jumper Type** | | Factory-Fit (Premium) |
| **Connector A** | | N 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** | | N Male |
| **Center Contact Connector B** | | Brass, silver plated |
| **Outer Contact Connector B** | | Brass, silver plated |
| **Coupling Nut Connector B** | | Hexagon nut, Nickel plated |
| **Dielectric** | | Extruded Polyethylene |
| **Gasket** | | Silicone rubber |
| **Jacket** | | Blue PVC<br>Flame retardant, plenum-rated, CMP-ETL listed to UL444<br>Canadian CSA C.22.2/FT6 |

### MECHANICAL SPECIFICATIONS

| | | |
|---|---|---|
| **Length** | m (ft) | 3.05 (10) |
| **Minimum Bend Radius** | mm (in) | 125 (5) |

### TESTING AND ENVIRONMENTAL

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

### TEMPERATURE SPECIFICATIONS

| | | |
|---|---|---|
| **Installation Temperature** | °C (°F) | -40 to 85 (-40 to 185 ) |
| **Operation Temperature** | °C (°F) | -40 to 85 (-40 to 185 ) |
| **Storage Temperature** | °C (°F) | -20 to 60 (-4 to 140 ) |



All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering

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## ELECTRICAL SPECIFICATIONS

| | | |
|---|---|---|
| **Intermodulation, 3rd Order** | dBc | ≤ -155 (typical) |
| **VSWR, Return Loss** | VSWR (dB) | ≤ 1.065 (30) @ 460 - 806 MHz<br>≤ 1.065 (30) @ 806 - 960 MHz<br>≤ 1.065 (30) @ 1395 - 1432 MHz<br>≤ 1.065 (30) @ 1700 - 2155 MHz<br>≤ 1.100 (26.4) @ 2300 - 2500 MHz<br>≤ 1.220 (20) @ 4400 - 5900 MHz |

External Document Links
Handling instruction

Notes



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