

**NMNM112P-090FFP**

ClearFill®Line Factory-Fit Jumper Assembly for In-Building Application,  
NM/NM, 1/2" ClearFill®Line Plenum-Rated Air Dielectric, 9 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.

\* 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



NMNM112P-060FFP shown for illustration purpose

**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)  | 2.74 (9) |
| 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 )  |



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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 |

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[Handling instruction](#)

[Notes](#)