PRODUCT DATASHEET

# NM-RA78-015

N Male Connector for 7/8" RADIAFLEX® cable

These single-piece high performance coaxial cable connectors are designed specifically to provide the highest quality connector-cable interface while simplifying and speeding up the attachment of connectors to RADIAFLEX® cables. The connectors provide outstanding value to users because they permit quick, easy and reliable installation at any location, thereby allowing the operator flexibility while saving installation time and money. They attach to prepared cable in one piece assuring error-free attachment. All connectors are fully tested for mechanical and electrical compliance specifications. They are available in all popular cable sizes in both type N and 7-16 DIN interface.

FEATURES / BENEFITS

- Single-piece design for Fast and Easy Installation - Reliable and simple attachment avoids unnecessary connector adjustments and provides outstanding performance. Saves time and provides cost savings.
- Robust Mechanical Design - Low and consistent IM performance.
- Excellent Electrical Performance - Low VSWR
- Totally Waterproof - Assures safe, long term operation in the harshest of environments.

RADIAFLEX connector

External Document Links

Application Note

Installation Instruction

Notes

## Technical features

### GENERAL SPECIFICATIONS

| | | |
|---|---|---|
| **Transmission Line Type** | | Coaxial Cable |
| **Cable Size** | | 7/8 |
| **Cable Type** | | Radiating |
| **Model Series** | | all RLF, RLK and RAY78-50A-Series |
| **Connector Interface** | | N |
| **Connector Type** | | Straight |
| **Sealing Method** | | Shrinking Sleeve |
| **Gender** | | Male |

### ELECTRICAL SPECIFICATIONS

| | | |
|---|---|---|
| **Nominal Impedance, ohms** | Ohm | 50 |
| **Maximum Frequency** | GHz | 3.7 |

### MECHANICAL SPECIFICATIONS

| | | |
|---|---|---|
| **Length** | mm (in) | 78.4 (3.09) |
| **Outer Diameter** | mm (in) | 34 (1.33) |
| **Body Material** | | Brass / Plating: Tri metal |
| **Inner Contact Material** | | Copper / Plating: Silver |
| **Inner Contact Attachment** | | Spring Finger / Plating: silver |
| **Outer Contact Attachment** | | Spring loop / Plating: silver |

### TESTING AND ENVIRONMENTAL

| | | |
|---|---|---|
| **Waterproof Level** | | IP68 |