OMNI FIT™ high performance connectors are designed for use with both CELLFLEX® (copper) and CELLFLEX® Lite (aluminum) cables. They are designed specifically to provide the highest quality connector-cable interface while simplifying and speeding up connector attachment. All RFS connectors are fully tested for mechanical and electrical compliance to industry specifications.

**FEATURES / BENEFITS**
- Cost effective two-piece design for safe and easy installation
- Compatible with copper and aluminium cable types i.e. one connector for both outer conductor materials eliminates the risk of faulty connector installation and helps to keep inventory down
- Robust mechanical design for low and consistent intermodulation performance i.e. keeps the mobile network performance up reduces the number of dropped calls and avoids revenue losses
- Superior electrical performance for consistent and repeatable VSWR i.e. ensure network system performance
- Waterproof to IP 68 i.e. no downtime risk, secures revenue
- RoHS (EU) and CRoHS (China) compliant i.e. can be used on a global basis

## Technical Features

### GENERAL SPECIFICATIONS
- **Transmission Line Type**: Coaxial Cable
- **Cable Size**: 1/2”
- **Cable Type**: Foam Dielectric|Radiating
- **Model Series**: LCF12-50 Series
- **Connector Interface**: N
- **Connector Type**: OMNI FIT™ Standard
- **Sealing Method**: O-ring
- **Gender**: Male

### ELECTRICAL SPECIFICATIONS
- **Nominal Impedance**: Ohm 50
- **3rd Order IM Product @ 2x20 Watts**: dBC -159 typical
- **Maximum Frequency**: GHz 6
- **VSWR, Return Loss**: VSWR (dB) 0 < f ≤ 1.0 GHz: 1.03 (36.6) 1.0 < f ≤ 2.7 GHz: 1.04 (34.1) 2.7 < f ≤ 3.7 GHz: 1.08 (28.3)

### MECHANICAL SPECIFICATIONS
- **Plating Outer/Inner**: Trimetal/Silver
- **Length**: mm (in) 58.7 (2.31)
- **Outer Diameter**: mm (in) 25.9 (1)
- **Weight**: kg (lb) 0.12 (0.26)
- **Inner Contact Attachment**: Basket
- **Outer Contact Attachment**: Spring C-Ring

### ACCESSORIES
- **Wrench size front**: mm (in) 24 (15/16)
- **Wrench size rear**: mm (in) 24 (15/16)
- **Trimming Tool**: TRIM-SET-L12-C02

### TESTING AND ENVIRONMENTAL
- **Waterproof Level**: IP68
## N Male Connector for 1/2" Coaxial Cable, OMNI FIT™ standard

![Diagram of N Male Connector for 1/2" Coaxial Cable](image)

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