



**NM-LCF38-E01**  
N Male Straight Connector for 3/8" Coaxial Cable, OMNI FIT™ Premium



CELLFLEX® 3/8" low loss connector

**Features / Benefits**

OMNI FIT™ E02 high-performance connectors are engineered for use with both CELLFLEX® (copper) and CELLFLEX® Lite (aluminum) cables. They ensure a superior connector-to-cable interface while enabling fast, simple, and reliable installation. All RFS connectors are rigorously tested to meet and exceed industry standards for mechanical and electrical performance. Reliable environmental sealing is achieved via an integrated O-ring, protecting both the outer conductor and cable jacket.

- **Ultra-high PIM performance**  
Minimizes passive intermodulation, reducing signal interference and improving network quality
- **Two-piece connector design**  
Allows visual inspection of the interlock mechanism, ensuring secure and error-free installation
- **OMNI FIT™ concept**  
Simplifies ordering processes and reduces inventory complexity
- **Watertight sealing (in mated condition)**  
Enhances environmental protection, reducing installation effort and ensuring long-term operational reliability
- **Outstanding corrosion resistance**  
Ensures durability and performance even in harsh climatic and environmental conditions

**Technical Features**

**STRUCTURE**

|                            |                    |
|----------------------------|--------------------|
| Cable Type                 | LCF                |
| Cable Size                 | 3/8"               |
| Qualified Cable Types      | LCF38-50J / JFN    |
| Model Series               | E01 Premium Series |
| Connector Interface Size   | N                  |
| Connector Interface Gender | Male               |

**MECHANICAL SPECIFICATIONS**

|                                    |                                |
|------------------------------------|--------------------------------|
| Connector Length                   | 65mm (2.559in)                 |
| Connector Outer Diameter           | 24mm (0.945in)                 |
| Inner Conductor Material / Coating | Copper Alloy / Silver Plated   |
| Outer Conductor Material / Coating | Copper Alloy / Trimetal Plated |
| Insulation Material                | PTFE / TPX                     |
| Sealing Method                     | O-Ring                         |



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ELECTRICAL SPECIFICATIONS

|                                      |                  |             |
|--------------------------------------|------------------|-------------|
| Nominal Impedance                    | 50 Ω             |             |
| Connector Frequency Range            | DC - 6.0 GHz GHz |             |
| PIM Ratio (2 x 20 W Carrier)         | ≤ -163 dBc       |             |
| PIM ratio Typical (2 x 20 W Carrier) | ≤ -167 dBc       |             |
| Frequency Range                      | VSWR             | Return Loss |
| 0 < f ≤ 1.0 GHz                      | 1.02             | 40          |
| 1.0 < f ≤ 2.2 GHz                    | 1.03             | 37          |
| 2.2 < f ≤ 2.7 GHz                    | 1.03             | 37          |
| 2.7 < f ≤ 3.8 GHz                    | 1.08             | 28          |
| 3.8 < f ≤ 5.0 GHz                    | 1.15             | 23          |
| 5.0 < f ≤ 6.0 GHz                    | 1.22             | 20          |

TESTING AND ENVIRONMENTAL

|                                |      |
|--------------------------------|------|
| Ingress Protection (IP) Rating | IP68 |
|--------------------------------|------|

ACCESSORIES

|                                 |                  |
|---------------------------------|------------------|
| Wrench Size Connector Interface | 19mm (0.748in)   |
| Trimming Tool                   | TRIM-SET-L38-E01 |



Related Documents

 Installation Instruction \*\*-LCF38-E01  
Installation Instructions