# LT-NM-1/2H

## N Straight male Connector for 1/2" Super Flexible RF Cable

The LT-NM-1/2L is a high-quality N-Type Male Connector tailored for 1/2" superflex coaxial cables, ensuring low-loss, high-frequency signal transmission in RF and telecom systems. Its rugged construction and excellent electrical performance make it ideal for base stations, antenna systems, and RF feeder lines where flexibility and reliability are essential.
This connector provides secure connections, low VSWR, and strong resistance to environmental factors, making it suitable for both indoor and outdoor deployments.

## Key Features :

- Designed for 1/2" superflex coaxial cable
- N-Type male connector interface
- Low VSWR for efficient signal transmission
- Compact and flexible cable compatibility
- Weatherproof and corrosion-resistant build
- Easy, tool-friendly installation
- High shielding effectiveness
- Suitable for high-power RF systems

## Key Highlights :

- Optimized for 4G/5G and LTE networks
- Delivers stable, low-loss RF performance
- Designed for low PIM in dense signal environments
- Compact size ideal for space-limited installations
- Built to withstand outdoor and harsh conditions

| Material and Plating | | |
|---|---|---|
| Insertion Loss | @DC-2.7 GHz | ≤0.10dB |
| VSWR | @0.8-1.0 GHz | ≤1.08 |
| | @1.7-2.7 GHz | ≤1.10 |
| PIM3(2*43dBm) | ≤-155dBc | |
| **Environmental & Mechanical Specifications** | | |
| Durability (matings) | ≥500 cycles | |
| Mechanical Shock Test Method | MIL-STD-202, Method 213, Test Condition D | |
| Vibration Test Method | MIL-STD-202, Meth. 204, Cond. A | |
| Temperature Range | -65°C to +85°C | |
| RoHS | Compliant | |
| Sealing Class | IP68 24hr, 1m, 20l) | |
| **Regulatory Compliance / Certification** | | |
| ISO 9001:2015 | Compliant | |

## Specifications :

| Features Material and Plating | |
|---|---|
| Inner Conductor Pin | Brass / Silver Plating |
| Inner Conductor Socket | Tin Bronze / Silver Plating |
| Insulator | TPX |
| Body & Outer Conductor | Brass / Trimetal Plating |
| Gasket | Silicon Rubber |
| Nut | Brass/Trimetal Plating |
| **Electrical Specifications** | |
| Characteristics Impedance | 50 Ohm |
| Frequency Range | DC~11GHz |
| Insulation Resistance | ≥5000MΩ |
| Dielectric Withstanding Voltage | 2500V rms |
| Operating Voltage | 1500V rms |
| Center contact resistance | ≤1.0 mΩ |
| Outer contact resistance | ≤0.25 mΩ |

## Applications :

- Telecommunications base stations
- Broadcast and antenna systems
- RF transmission lines and feeders
- Outdoor wireless communication setups
- Industrial high-frequency equipment
- Signal distribution networks in critical infrastructure