

# LT-DINM-7/8

## DIN-Male Connector for 7/8” Cable | Crimp Type

The LT-DINF-7/8 is a high-performance DIN Female Connector specifically engineered for 7/8" coaxial cables. Designed for demanding RF applications, this connector ensures secure, low-loss signal transmission, making it ideal for telecommunication systems, broadcast infrastructures, and high-frequency industrial setups.

Its robust construction and precision threading offer excellent durability, reliable connectivity, and resistance to environmental stress, making it suitable for both indoor and outdoor installations. The LT-DINF-7/8 delivers optimal VSWR performance, ensuring minimal signal reflection and maximum power efficiency in RF networks.

### Key Features

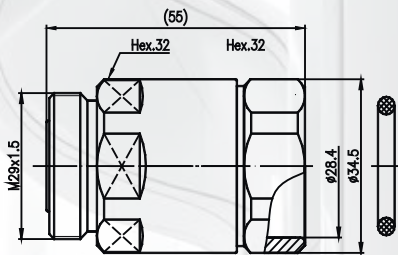
- Fits 7/8" coaxial cables
- Standard DIN female interface
- Low signal loss (VSWR optimized)
- Rugged and weather-resistant design
- Corrosion-resistant finish
- Quick and easy installation
- Strong shielding against interference
- Handles high power efficiently

### Key Highlights

- Designed for professional RF and telecom use
- Reliable performance in outdoor and harsh environments
- Ensures stable, low-loss signal transmission
- Ideal for high-power, high-frequency applications
- Built to meet industry standards for quality and durability

### 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



### Specifications

| LT-DINM-7/8                        |                             |        |
|------------------------------------|-----------------------------|--------|
| Characteristic Impedance           | 50Ω                         |        |
| Cut-Off Frequency                  | ≤ 7.5GHz                    |        |
| Shielding Efficiency               | ≥115 dB                     |        |
| Inner Conductor Contact Resistance | ≤ 0.40 mΩ                   |        |
| Outer Conductor Contact Resistance | ≤ 0.20 mΩ                   |        |
| IM3                                | ≤ -155 dBc                  |        |
| Insertion Loss                     | ≤ 0.08 dB                   |        |
| Insulation Resistance              | ≥ 10000 mΩ                  |        |
| Dielectric Strength                | 3000 V rms                  |        |
| VSWR                               | 0.8 - 1.0 GHz               | ≤ 1.08 |
|                                    | 1.7 - 2.5 GHz               | ≤ 1.10 |
| Inner Conductor Pin                | Brass / Silver Plating      |        |
| Inner Conductor Socket             | Tin Bronze / Silver Plating |        |
| Insulator (Dielectric)             | PTFE                        |        |
| Body & Outer Conductor             | Brass / Trimetal Plating    |        |
| Gasket                             | Silicon Rubber              |        |
| Operating Temperature Range        | -65 ~ +165 °C               |        |
| Storage Temperature Range          | -65 ~ +165 °C               |        |

