

# LT-DINM-7/8-C

## DIN Male Connector for 7/8" RF Cable, Crimp Type

The LT-DINF-7/8-C 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-C delivers optimal VSWR performance, ensuring minimal signal reflection and maximum power efficiency in RF networks.

### Key Features

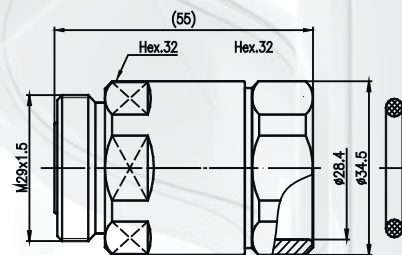
- Fits 7/8" coaxial cables
- Standard DIN female interface
- Low signal loss (VSWR optimized)
- Rugged and weather-resistant design
- Corrosion-resistant finish
- Quick and easy installation
- Strong shielding against interference
- Handles high power efficiently

### 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-C		
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	

