

LT-NF-7/8

N FEMALE CONNECTOR FOR 7/8" RF CABLE, CRIMP TYPE

LT-NF-7/8 is a high-performance N-Female connector designed for use with 7/8" coaxial cables. Built for durability and precision, it provides secure, low-loss connections suitable for demanding RF, telecom, and broadcast applications.

The LT-NF-7/8 offers a reliable termination solution for 7/8" coaxial cables, ensuring excellent electrical performance and strong mechanical stability.

Key Features

- Connector Type: N-Female for 7/8" coaxial cable
- 50Ω impedance for stable RF performance
- Low insertion loss for efficient signal transmission
- Rugged nickel-plated brass body for durability

Applications

- RF communication systems
- Antenna and wireless installations
- Broadcasting and transmission setups
- Laboratory and testing environments
- General-purpose RF cable terminations



Specifications

PART NUMBER	LT-NM-7/8	
Description	N Female Connector for 7/8" RF Cable, crimp type	
Material and Plating		
Inner Conductor Pin	Brass / Silver Plating	
Inner Conductor Socket	Tin Bronze / Silver Plating	
Insulator	PTFE/TPX	
Body & Outer Conductor	Brass / Trimetal Plating	
Gasket	Silicon Rubber	
Nut	Brass / Trimetal Plating	
Electrical Specifications		
Characteristics	50 Ohm	
Frequency Range	DC~11GHz	
Insulation Resistance	≥5000MΩ	
Dielectric Withstanding	2500V rms	
Operating Voltage	1500V rms	
Center Contact Resistance	≤1.0 mΩ	
Outer Contact Resistance	≤0.25 mΩ	
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, 20°C	

