

# LT-NF-78-C

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

LT-NF-78-C 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.

LT-NF-78-C 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

Available in Clamp Type

**LT-NF-7/8L-CL**

N Female Connector for 7/8" Flexible RF Cable, Clamp Type



### Specifications

<b>PART NUMBER</b>	<b>LT-NF-78-C</b>	
<b>Description</b>	N Female Connector for 7/8" RF Cable, Crimp Type	
<b>Material and Plating</b>		
<b>Inner Conductor Pin</b>	Brass / Silver Plating	
<b>Inner Conductor Socket</b>	Tin Bronze / Silver Plating	
<b>Insulator</b>	PTFE/TPX	
<b>Body &amp; Outer Conductor</b>	Brass / Trimetal Plating	
<b>Gasket</b>	Silicon Rubber	
<b>Nut</b>	Brass / Trimetal Plating	
<b>Electrical Specifications</b>		
<b>Characteristics</b>	50 Ohm	
<b>Frequency Range</b>	DC~11GHz	
<b>Insulation Resistance</b>	≥5000MΩ	
<b>Dielectric Withstanding</b>	2500V rms	
<b>Operating Voltage</b>	1500V rms	
<b>Center Contact Resistance</b>	≤1.0 mΩ	
<b>Outer Contact Resistance</b>	≤0.25 mΩ	
<b>Insertion Loss</b>	@DC-2.7 GHz	≤0.10dB
<b>VSWR</b>	@0.8-1.0 GHz	≤1.08
	@1.7-2.7 GHz	≤1.10
<b>PIM3(2*43dBm)</b>	≤-155dBc	
<b>Environmental &amp; Mechanical Specifications</b>		
<b>Durability (matings)</b>	≥500 cycles	
<b>Mechanical Shock Test Method</b>	MIL-STD-202, Method 213, Test Condition D	
<b>Vibration Test Method</b>	MIL-STD-202, Meth. 204, Cond. A	
<b>Temperature Range</b>	-65°C to +85°C	
<b>RoHS</b>	Compliant	
<b>Sealing Class</b>	IP68 24hr, 1m, 20°C	

