

LT-NF-1-1/4

N Straight Female Connector for 50-33 Flexible RF Cable

The LT-NF-1-1/4 is a robust N-Type Female Connector designed for 1-1/4" coaxial cables, delivering reliable, low-loss RF performance in high-frequency signal transmission. Known for its threaded coupling mechanism and durability, this connector is widely used in wireless communication systems, base stations, and RF infrastructure. It ensures secure, weather-resistant connections for both indoor and outdoor applications, making it an excellent choice for critical telecom and broadcast environments.

Key Features

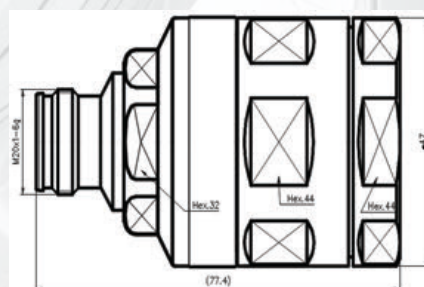
- Compatible with 1-1/4" coaxial cables
- Standard N-Type female interface
- Low VSWR for efficient signal transmission
- Threaded connection for secure fit
- Easy installation with reliable performance
- Excellent shielding against interference

Key Highlights

- 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

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

Product Description		
Inner Conductor	Tin Bronze / Silver Plating	
Outer Conductor & Body	Brass / Trimetal Plating	
Insulator	TPX	
Gasket	Silicon Rubber	
Electrical Specifications		
Characteristic Impedance	50 Ohm	
Interface Frequency Range	DC~3.8GHz	
Insulation Resistance	≥5000MΩ	
Dielectric Withstanding Voltage	2500V rms	
Operating Voltage	1500V rms	
Center Contact Resistance	≤1.00mΩ	
Outer Contact Resistance	≤0.25mΩ	
Insertion Loss	@DC-3.8 GHz	≤0.1dB
	@0.8-1.0 GHz	≤1.10
	@1.7-2.7 GHz	≤1.13
	@3.0-3.8 GHz	≤1.15
VSWR		
PIM3 (2*43dBm)	@1800MHz	≤-155dBc
Environmental & Mechanical Specifications		
Mating Durability	≥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	45°C to +85°C	
RoHS	Compliant	
Sealing Class	IP68 24hr, 1m, 20C	
Regulatory Compliance / Certification		
ISO 9001:2015	Compliant	

