

LT-NF-1/2L

N-Female Connector for 1/2" Cable

The LT-NF-1/2L is a reliable N-Type Female Connector designed for 1/2" Superflex coaxial cables, offering stable, low-loss signal transmission in a compact and robust form. It is widely used in wireless infrastructure, broadcast systems, and RF transmission lines, particularly where flexibility and durability are required.

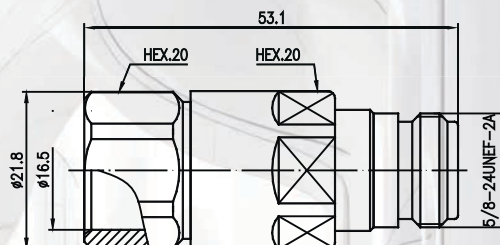
This connector ensures secure connections with low VSWR, making it ideal for indoor and outdoor telecom applications, especially in systems requiring frequent bends and routing in tight spaces.

Key Features

- Fits 1/2" superflex coaxial cables
- N-Type female interface
- Low VSWR for efficient signal transmission
- Compact and flexible cable compatibility
- High shielding against interference
- Suitable for high-frequency RF systems

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-NF-1/2L		
Characteristic Impedance	50Ω	
Cut-Off Frequency	≤ 18 GHz	
Shielding Efficiency	≥115 dB	
Inner Conductor Contact Resistance	≤ 0.8 mΩ	
Outer Conductor Contact Resistance	≤ 0.25 mΩ	
IM3	≤ -155 dBc	
Insertion Loss	≤ 0.10 dB	
Insulation Resistance	≥ 5000 mΩ	
Dielectric Strength	2500 V	
VSWR	0.8 - 1.0	≤ 1.08
	1.7 - 2.5	≤ 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	-65 ~ +165 °C	
Storage Temperature Range	-65 ~ +165 °C	

