

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

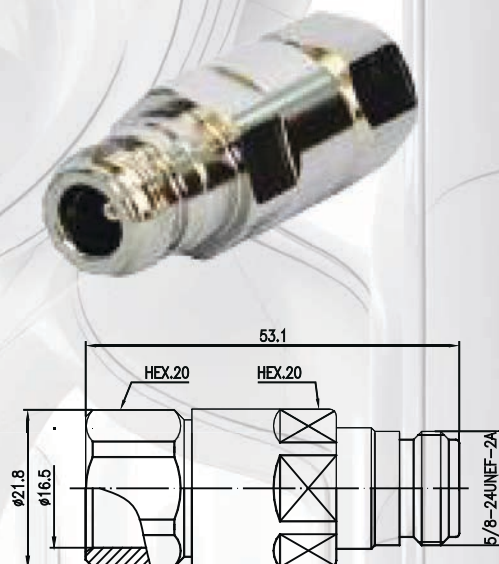
- Fits 1/2" superflex coaxial cables
- N-Type female interface
- Low VSWR for efficient signal transmission
- Compact and flexible cable compatibility
- High shielding against interference
- Suitable for high-frequency RF systems

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-NF-1/2L		
Characteristic Impedance	Ω	50
Cut-Off Frequency	GHz	≤ 18
Shielding Efficiency	dB	≥ 115
Inner Conductor Contact Resistance	m Ω	≤ 0.8
Outer Conductor Contact Resistance	m Ω	≤ 0.25
IM3	dBc	≤ -155
Insertion Loss	dB	≤ 0.10
Insulation Resistance	m Ω	≥ 5000
Dielectric Strength	V	2500
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	PTFE	
Body & Outer Conductor	Brass / Trimetal Plating	
Gasket	Silicon Rubber	
Working Temperature	$^{\circ}\text{C}$	-65 ~ +165
Storage Temperature Range	$^{\circ}\text{C}$	-65 ~ +165

