

N F CLAMP for 1/4" Super Flexible Cable

P/N: AT3N2C-6J

Product Feature:

- Connector Type : N Type
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight
- Termination Style : Clamp
- Cable : 1/4" Super Flexible
- Application: General Purpose/Telecom etc.



The **N-Type Female Clamp Connector for 1/4" Super Flexible cable** is a high-performance 50-ohm RF component optimized for tight-radius routing and low-loss signal transmission. Its straight body and clamp-style termination provide a **robust, gas-tight mechanical bond** that can be reliably assembled in the field without specialized crimping tools. Usually finished with **tri-metal or silver plating**, these connectors are engineered for superior Passive Intermodulation (PIM) performance and moisture resistance, making them essential for **small cell deployments, In-Building Solutions (IBS), and distributed antenna systems (DAS)** up to 6 GHz.

Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 6	GHz
VSWR	≤ 1.15	@DC-3 GHz
	≤ 1.20	@3-5 GHz
Insertion Loss	≤ 0.05	@DC-5 GHz
Insulation Resistance	≥ 5000	M Ω
Dielectric Withstanding Voltage	≥ 2.5	kVrms
Inner Conductor Resistance	≤ 1.0	m Ω
Outer Conductor Resistance	≤ 0.25	m Ω
PIM	≤ -155	dBc@(2 \times 43dBm)
RF Leakage	≤ -85	dB @3GHz



Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Phosphor/beryllium bronze	Silver
Outer Conductor/Body	Brass	Tri-Alloy
Back Nut	Brass	Nickel
Shield Clamp	Brass	Nickel
Dielectric	PTFE	-
Gasket	Silicone rubber	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Coupling nut torque	25/30	Nm
Cable Type Compatibility	1/4" Super Flexible Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-