

N M CLAMP for 3/8" Feeder Cable

P/N: AT3N1C-6M

Product Feature:

- Connector Type : N Type
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Clamp
- Cable : 3/8" Feeder/LDF
- Application: General Purpose/Telecom etc.



The **N Male Clamp Connector for 3/8" Feeder Cable** is a high-performance RF interface designed for efficient 50-ohm signal transmission in compact wireless environments. Featuring a precision **clamp-style mechanism**, it ensures a secure, high-torque mechanical connection to the cable's outer conductor without the need for soldering. This connector is commonly used in **DAS installations, cell site jumpers, and GPS timing networks** where signal stability is critical. Its rugged, nickel-plated brass body and internal seals provide a weatherproof, durable interface suitable for **both indoor and outdoor telecommunications infrastructure**.

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 bronze	Silver
Outer Conductor/Body	Brass	Tri-Alloy
Coupling Nut	Brass	Nickel
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	3/8" Feeder/LDF Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-

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