

N M CLAMP for 1-1/4" Feeder Cable

P/N: AT3N1C-6Q

Product Feature:

- Connector Type : N Type
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Clamp
- Cable : 1-1/4" Feeder/LDF
- Application: General Purpose/Telecom etc.

The **N Male Clamp Connector for 1-1/4" Feeder Cable** is a heavy-duty RF interface designed for high-power signal transmission with minimal attenuation. Utilizing a precision **mechanical clamp assembly**, it provides a high-torque, solderless connection to the large-diameter outer conductor, ensuring **excellent electrical contact and weatherproofing**. This connector is primarily deployed in **macro cell sites, broadcast towers, and long-distance antenna runs** where low loss is critical. Its rugged, tri-metal plated construction and internal gaskets offer a durable, corrosion-resistant solution for demanding **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@(2x43dBm)
RF Leakage	≤ -85	dB @3GHz



Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Phosphor bronze	Gold
Outer Conductor/Body	Brass	Tri-Alloy
Coupling Nut	Brass	Nickel
Back Nut	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	1-1/4" Feeder/LDF Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-