

N M RA CLAMP for 1/2" Super Flexible Cable

P/N: AT3N3C-6L

Product Feature:

- Connector Type : N Type
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Right Angle (90°)
- Termination Style : Clamp
- Cable : 1/2" Super Flexible
- Application: General Purpose/Telecom etc.



The **N Male Right Angle (RA) Clamp Connector** for **1/2" Super Flexible** cable is a specialized RF component engineered for high-performance signal transmission in confined spaces. Its 90-degree configuration allows for clean cable routing in tight enclosures, reducing mechanical stress and preventing signal degradation from over-bending. Primarily used in **distributed antenna systems (DAS)**, **small cell jumpers**, and **base station cabinets**, this connector features a precision clamp mechanism for a secure, solderless outer connection. Its rugged, weatherproof construction and **low-PIM** design ensure reliable, 50-ohm connectivity for critical **5G and LTE 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	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	1/2" Super Flexible Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-

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