

TNC M CLAMP for LMR400/RG8/RG213/RG393 Cable

P/N: AT3T1C-6E

Product Feature:

- Connector Type : TNC
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Clamp
- Cable : LMR400/RG8/RG213/RG393
- Application : General Purpose/Telecom etc

The **TNC Male Clamp Connector** for **LMR400, RG8, RG213, and RG393 cables** is a robust, industrial-grade RF solution designed for high-power and low-loss applications. The clamp-style assembly provides a heavy-duty mechanical connection that is fully field-serviceable, allowing for high-quality **termination without the need for specialized crimping tools**. Its threaded coupling mechanism ensures superior vibration resistance and environmental sealing, maintaining signal integrity in harsh conditions. Typical applications include **base station antennas, high-power RF amplifiers, marine communication systems, and large-scale wireless infrastructure** where durable, low-attenuation connectivity is vital for long-term performance.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 6	GHz
VSWR	≤ 1.15	@DC-3 GHz
	≤ 1.25	@3-5 GHz
Insertion Loss	≤ 0.2	@DC-4 GHz
Insulation Resistance	≥ 5000	M Ω
Dielectric Withstanding Voltage	≥ 1.5	kVrms (at sea level)
Inner Conductor Resistance	≤ 1.5	m Ω
Outer Conductor Resistance	≤ 0.2	m Ω
Power Handling	316	W @1GHz
RF Leakage	≤ -55	dB @1GHz



Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Brass	Gold
Outer Conductor/Body	Brass	Nickel
Back Nut	Brass	Nickel
Fastening Nut	Brass	Nickel
Dielectric	Teflon/PTFE	-
Gasket	Silicone rubber	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Fastening Type	7/16-28	-
Contact Captivation	≥ 27	N
Coupling Nut Torque	46 - 69	Ncm
Coupling Nut Retention Force	≥ 450	N
Cable Type Compatibility	LMR400/RG8/RG213/RG393 Cable	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-