

## TNC M CRIMP for LMR100/RG174/RG316 Cable

P/N: AT3T1D-6C

### Product Feature:

- Connector Type : TNC
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Crimp
- Cable : LMR100/RG174/RG316
- Application : General Purpose/Telecom etc



The **TNC Male Crimp Connector** for **LMR100, RG174, and RG316 Cables** is a precision, threaded RF interface designed for small-diameter, flexible coaxial cables. Featuring a **crimp-style termination**, it utilizes a specialized ferrule to ensure a high-strength mechanical bond and **consistent electromagnetic shielding**. This connector is widely utilized in **Wi-Fi antenna assemblies, GPS modules, and telemetry systems**. Its threaded coupling mechanism is ideal for **high-vibration environments**, such as **aerospace avionics, automotive telematics, and industrial IoT sensors**, providing a **secure, stable signal connection** where standard bayonet-style connectors might fail.



### Electrical Specifications

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



## Technical Data Sheet

<b>Material &amp; Plating</b>		
<b>Component</b>	<b>Material</b>	<b>Plating</b>
Center Conductor	Brass	Gold
Outer Conductor/Body	Brass	Nickel
Ferrule	Brass	Nickel
Fastening Nut	Brass	Nickel
Dielectric	Teflon/PTFE	-
Gasket	Silicone rubber	-

<b>Mechanical &amp; Environmental Specifications</b>		
<b>Parameter</b>	<b>Value</b>	<b>Unit</b>
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	LMR100/RG174/RG316 Cables	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-

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