

TNC M CRIMP for RG 59 Cable

P/N: AT3T5D-6X

Product Feature:

- Connector Type : TNC
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Crimp
- Cable : RG59
- Application : General Purpose/Telecom etc

The **TNC Male Crimp Connector for RG59 cable** is a durable RF solution designed for high-performance video and data transmission. Featuring a threaded coupling mechanism, it provides a more **secure, vibration-proof connection** than standard BNC interfaces. The crimp-style termination ensures a **permanent, low-loss bond** specifically sized for the 75 Ω or 50 Ω variants of RG59 coaxial cable. Typical applications include **CCTV surveillance systems, professional broadcast equipment, industrial process monitoring, and legacy test instrumentation** where stable signal integrity and mechanical reliability are required.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	75	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
Ferrule	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	RG59 Cable	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-