

## TNC F CRIMP for RG 59 Cable

P/N: AT3T6D-6X

### Product Feature:

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

The **TNC Female Crimp Connector for RG59 Cable** is a high-reliability RF interface designed specifically for **75Ω impedance video and data transmission cables**. Its threaded coupling mechanism provides **exceptional vibration resistance** and constant mechanical stability, preventing accidental disconnects common with BNC alternatives. The crimp termination ensures a highly secure, uniform bond that **minimizes signal attenuation** and optimizes **shielding effectiveness**. It is widely used in **broadcast television studios, CCTV surveillance systems, security camera networks, and digital video routing equipment**, where stable, low-noise connections are crucial over extended cable runs.



### 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	MΩ
Dielectric Withstanding Voltage	≥ 1.5	kVrms (at sea level)
Inner Conductor Resistance	≤ 1.5	mΩ
Outer Conductor Resistance	≤ 0.2	mΩ
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
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
Cable Retention Force	≥ 125	N
Cable Type Compatibility	RG59 Cable	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-