

TNC F CRIMP for RG58/RG142/LMR195/LMR200 Cable

P/N: AT3T1D-6D

Product Feature:

- Connector Type : TNC
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight
- Termination Style : Crimp
- Cable : RG58/RG142/LMR195/LMR200
- Application : General Purpose/Telecom etc

The **TNC Female Crimp Connector** for **RG58, RG142, LMR195, and LMR200 Cables** is a high-reliability RF interface designed for permanent cable terminations. It features the signature TNC threaded coupling, which provides **superior mechanical stability** and vibration resistance over bayonet-style connectors. The **crimp-style assembly** ensures a high-strength, uniform bond that maintains consistent 50 Ω impedance and **excellent shielding effectiveness**. This connector is commonly used in **wireless local area networks (WLAN), GPS antenna extensions, medical monitoring equipment, and industrial RF sensors**, where a secure, low-loss connection is required for mid-diameter coaxial lines in both indoor and outdoor environments.



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
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
Flange Size	Standard	-
Cable Retention Force	≥ 150	N
Cable Type Compatibility	RG58/RG142/LMR195/LMR200 Cable	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-