

BNC M CLAMP for LMR240 Cable

P/N: AT3B1C-4F

Product Feature:

- Connector Type : BNC
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Clamp
- Cable : LMR240
- Application : General Purpose/Telecom etc

The **BNC Male Clamp connector** for **LMR240** cable is a **heavy-duty, field-serviceable RF interface** designed for high-performance, low-loss coaxial lines. The clamp mechanism allows for a secure, moisture-resistant assembly **without the need for specialized crimping tools**, making it ideal for on-site repairs and prototyping. It features a high-**conductivity center contact** and a robust bayonet coupling for rapid, reliable connectivity. Key applications include **wireless local loops, GPS systems, WLAN antenna installations, and RF test benches** where **durable, low-attenuation signal transmission** is critical in both indoor and outdoor environments.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 4	GHz
VSWR	≤ 1.15	@DC-2 GHz
	≤ 1.30	@2-4 GHz
Insertion Loss	≤ 0.2	@DC-4 GHz
Insulation Resistance	≥ 5000	M Ω
Dielectric Withstanding Voltage	≥ 1.5	kVrms
Inner Conductor Resistance	≤ 1.0	m Ω
Outer Conductor Resistance	≤ 0.25	m Ω
Power Handling	300	W @1GHz
RF Leakage	≤ -55	dB @1GHz



Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Phosphor Copper	Gold
Outer Conductor/Body	Brass	White Bronze
Back Nut	Brass	Nickel
Fastening Nut	Brass	Tri-Alloy
Dielectric	Teflon/PTFE	-
Gasket	Silicone rubber	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Contact Captivation	≥ 27	N
Coupling Nut Torque	7 - 28	Ncm
Coupling Nut Retention Force	≥ 450	N
Cable Type Compatibility	LMR240 Cables	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-