

BNC M CLAMP for LMR400/RG8/RG11/RG213/RG393 Cable

P/N: AT3B1C-4E

Product Feature:

- Connector Type : BNC
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Clamp
- Cable : LMR400/RG8/RG11/RG213/RG393
- Application : General Purpose/Telecom etc

The **BNC Male Clamp** connector for **LMR400, RG8, RG11, RG213, and RG393** cables is a heavy-duty RF interface engineered for large-diameter, low-loss coaxial lines. The clamp design allows for secure, field-serviceable assembly without specialized crimping tools, providing a rugged mechanical bond and excellent weather resistance. Featuring a gold-plated center contact and a standard bayonet coupling, it ensures high power handling and minimal signal attenuation. This connector is primarily used in **base station antennas, high-power VHF/UHF transmitters, maritime communication systems, and industrial RF equipment** where durable, low-loss connections are vital.



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
PIM	≤ -155	dBc @(2 \times 43dBm)
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	Annealed Copper	Tri-Alloy
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	LMR400/RG8/RG11/RG213/RG393 Cables	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-