

BNC F CLAMP for RG58/RG142/LMR195/LMR200 Cable

P/N: AT3B2C-4D

Product Feature:

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

The **BNC Female Clamp Connector** for **RG58, RG142, LMR195, and LMR200 cables** is a rugged, 50-ohm RF component designed for high-reliability signal transmission. Its **clamp-style termination** offers a secure, solderless assembly that is **easily field-serviceable**, providing superior mechanical pull-strength and shielding compared to standard crimp versions. This connector is ideal for **RF testing laboratories, military communications, and industrial automation**. It ensures a **low-loss, vibration-resistant link** for **high-frequency antennas, laboratory instrumentation, and professional wireless systems** where durable and reusable connections are paramount.



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	Annealed Copper	Nickel
Dielectric	Teflon/PTFE	-
Gasket	Silicone rubber	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Contact Captivation	≥ 27	N
Cable Type Compatibility	LMR200/RG142/RG58/LMR195 Cable	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-

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