

## BNC F CRIMP for RG58/RG142/LMR195/LMR200 Cable

P/N: AT3B2D-4D

### Product Feature:

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



The **BNC Female Crimp Connector** for **RG58, RG142, LMR195, and LMR200 cables** is a high-performance 50-ohm RF component designed for versatile and secure connectivity. It features a precision-machined body and a robust **crimp-style termination** that ensures a gas-tight, **vibration-resistant mechanical bond** for mid-sized coaxial cables. This connector provides **excellent electrical shielding** and **minimal signal attenuation** across high frequencies. It is widely used in **wireless LAN systems, cellular signal boosters, two-way radio communications, and RF test and measurement setups** where quick, reliable field installation and long-term durability are required.



### Electrical Specifications

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



## Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Phosphor Copper	Gold
Outer Conductor/Body	Brass	White Bronze
Ferrule	Annealed Copper	Tri-Alloy
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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