

BNC F CRIMP for BT3002 Cable

P/N: AT3B2D-4S

Product Feature:

- Connector Type : BNC
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight
- Termination Style : Crimp
- Cable : BT3002
- Application : General Purpose/Telecom etc

The **BNC Female Crimp Connector** for **BT3002 cable** is a high-reliability RF component engineered for seamless integration into high-density telecommunications and data networking systems. Featuring a precision-machined **75-ohm interface**, it ensures **minimal signal reflection** and **low insertion loss** for critical digital links. The robust **crimp termination** provides a secure, gas-tight mechanical bond specifically sized for the slim BT3002 profile. It is widely used in **Digital Distribution Frames (DDF)**, **telecommunications central offices**, **DS3/E3 transmission lines**, and **professional broadcast patch panels** to facilitate stable, long-term connectivity.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	75	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
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	BT3002 Cable	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-