

## BNC M CRIMP for RG59 Cable

P/N: AT3B1D-4X

### Product Feature:

- Connector Type : BNC
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Crimp
- Cable : RG59
- Application : General Purpose/Telecom etc



The **BNC Male Crimp connector for RG59 cable** is an industry-standard RF interface designed for **high-quality video and 75-ohm signal transmission**. Its precision crimp ferrule ensures a **permanent, vibration-resistant** attachment with **excellent strain relief** for stable performance. It is primarily used in **CCTV surveillance systems, analog and digital video routing, and broadcast television equipment**. Its reliability also makes it a staple for **test and measurement setups and commercial AV installations** where **rapid, high-volume assembly** and consistent impedance matching are required.



### Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	75	$\Omega$
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

<b>Material &amp; Plating</b>		
<b>Component</b>	<b>Material</b>	<b>Plating</b>
Center Conductor	Phosphor Copper	Gold
Outer Conductor/Body	Brass	White Bronze
Ferrule	Annealed Copper	Tri-Alloy
Fastening Nut	Brass	Tri-Alloy
Dielectric	Teflon/PTFE	-
Gasket	Silicone rubber	-

<b>Mechanical &amp; Environmental Specifications</b>		
<b>Parameter</b>	<b>Value</b>	<b>Unit</b>
Durability (Matings)	≥ 500 min.	-
Contact Captivation	≥ 27	N
Coupling Nut Torque	7 - 28	Ncm
Coupling Nut Retention Force	≥ 450	N
Cable Type Compatibility	RG59 Cable	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-