Technical
Data Sheet

BNC M CRIMP for RG58/RG142/LMR195/LMR200 Cable

P/N: AT3B1D-4D

Product Feature:

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

The **BNC Male Crimp connector** for **RG58, RG142, LMR195, and LMR200 cables** is a **high-performance RF interface** designed for medium-sized coaxial lines. Its precision crimp attachment provides a **rugged**, **vibration-proof connection** with **superior strain relief** and **low VSWR**. Featuring a gold-plated center contact and a secure bayonet coupling, it ensures **stable signal transmission** up to **4 GHz**. Common applications include **WLAN antenna systems**, **mobile radio installations**, **base station equipment**, and **industrial telecommunications**, where **durable**, **low-loss connectivity** is required for both **indoor and outdoor** environments.

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	MΩ
Dielectric Withstanding Voltage	≥ 1.5	kVrms
Inner Conductor Resistance	≤ 1.0	mΩ
Outer Conductor Resistance	≤ 0.25	mΩ
Power Handling	300	W @1GHz
RF Leakage	≤ -55	dB @1GHz

Ground floor, Plot No -20, (KH No-160/1,street No-3/2, samta Vihar, Mukandpur Extn., North West Delhi, Delhi-110042
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Material & Plating		
Component	**Material**	**Plating**
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	-

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	RG58/RG142/LMR195/LMR200 Cables	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-

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