Technical
Data Sheet

BNC M RA CRIMP for LMR100/RG174/RG316 Cable

P/N: AT3B3D-4C

Product Feature:

- Connector Type : BNC
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Right Angle (90°)
- Termination Style : Crimp
- Cable : LMR100/RG174/RG316
- Application : General Purpose/Telecom etc

The **BNC Male Right-Angle (RA) Crimp connector** for **LMR100, RG174, and RG316 cables** provides a compact, 90-degree orientation for installations with limited depth. Its **crimp-style attachment** ensures a robust, vibration-resistant connection with **excellent strain relief** for thin, flexible coaxial lines. Featuring the standard bayonet locking mechanism and a **high-conductivity center contact**, it maintains reliable **signal integrity** in tight spaces. These connectors are ideal for **high-density wireless equipment, vehicle-mounted telematics, and internal cabinet wiring** where cable routing requires sharp turns without compromising RF performance.

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	LMR100/RG174/RG316 Cables	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-

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