

BNC M CRIMP for LMR400/RG8/RG11/RG213/RG393 Cable

P/N: AT3B1D-4E

Product Feature:

- Connector Type : BNC
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Crimp
- Cable : LMR400/RG8/RG11/RG213/RG393
- Application : General Purpose/Telecom etc



The **BNC Male Crimp** connector for **LMR400, RG8, RG11, RG213, and RG393** cables is a **high-strength RF interface** designed specifically for large-diameter, low-loss coaxial lines. The precision crimp ferrule provides a **permanent, vibration-proof attachment** that ensures **superior mechanical retention and shielding effectiveness for heavy-duty cables**. Featuring a robust bayonet coupling and a high-performance center contact, it **delivers stable signal transmission with low attenuation**. This connector is extensively used in **high-power wireless infrastructure, military communication systems, cellular base stations, and industrial RF distribution networks** where **maximum reliability and efficient** assembly are required.



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 | M Ω |
| Dielectric Withstanding Voltage | ≥ 1.5 | kVrms |
| Inner Conductor Resistance | ≤ 1.0 | m Ω |
| Outer Conductor Resistance | ≤ 0.25 | m Ω |
| PIM | ≤ -155 | dBc @(2 \times 43dBm) |
| 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 |
| 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 | LMR400/RG8/RG11/RG213/RG393 Cables | - |
| Operating Temperature | -40 ~ 85 | °C |
| Compliance | ROHS | - |