Technical
Data Sheet

N M CRIMP for LMR100/RG174/RG316 Cable

P/N: AT3N1D-6C

Product Feature:

- Connector Type : N Type
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Crimp
- Cable : LMR100/RG174/RG316
- Application : General Purpose/Telecom etc

The **N-Type Male Crimp Connector** is a heavy-duty RF interface specifically designed for small-diameter coaxial cables like **LMR100, RG174, and RG316**. This connector features a durable nickel-plated brass body and a gold-plated center pin to ensure high conductivity and low signal loss up to 11 GHz. Its crimp termination provides a reliable, vibration-resistant mechanical bond, while the threaded coupling ensures a secure, weatherproof connection. It is widely used in **antennas, cellular base stations, wireless networking, and laboratory RF testing**.

Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 6	GHz
VSWR	≤ 1.15	@DC-3 GHz
	≤ 1.2	@3-5 GHz
Insertion Loss	≤ 0.05	@DC-5 GHz
Insulation Resistance	≥ 5000	MΩ
Dielectric Withstanding Voltage	≥ 2.5	kVrms
Inner Conductor Resistance	≤ 1.0	mΩ
Outer Conductor Resistance	≤ 0.25	mΩ
Power Handling	1.0	kW @1GHz
RF Leakage	≤ -90	dB @1GHz

Ground floor, Plot No -20, (KH No-160/1,street No-3/2, samta Vihar, Mukandpur Extn., North West Delhi, Delhi-110042
Contact: +91 9643592149 Email: info@aetherx.in , Website: www.aetherx.in

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Material & Plating		
Component	**Material**	**Plating**
Center Conductor	Phosphorous bronze	Gold
Outer Conductor/Body	Brass	Tri-Alloy
Coupling Nut	Brass	Tri-Alloy
Ferrule	Brass	Tri-Alloy
Dielectric	PTFE	-
Gasket	Silicone rubber	-

Mechanical & Environmental Specifications		
Parameter	**Value**	**Unit**
Durability (Matings)	≥ 500 min.	-
Coupling nut torque	25/30	Nm
Cable Type Compatibility	LMR100/RG174/RG316 Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-

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