Technical
Data Sheet

N F CRIMP for LMR400/RG8/RG11/RG213/RG393 Cable

P/N: AT3N2D-6E

Product Feature:

- Connector Type : N Type
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight
- Termination Style : Crimp
- Cable : LMR400/RG8/RG11/RG213/RG393
- Application : General Purpose/Military

The **N-Type Female Crimp Connector** is a heavy-duty, 50-ohm RF component precision-engineered for large-diameter cables including **LMR400, RG8, RG213, and RG393**. Designed with a threaded, weatherproof interface, it offers low signal attenuation and superior mechanical stability up to 11 GHz. The crimp-style termination ensures a rapid, high-strength permanent bond, making it the industry standard for **wireless infrastructure, telecommunication base stations, and high-power radio transmitters** requiring robust environmental protection.

Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 8	GHz
VSWR	≤ 1.15	@DC-3 GHz
	≤ 1.20	@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
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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	LMR400/RG8/RG11/RG213/RG393 Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-

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