

LT-NM-RG214(Crimp)

N Male for RG214 Cable

The Lamatel NM-RG214 is a Type N male connector engineered for use with RG214 coaxial cables. Designed for robust RF connections, it delivers reliable performance in high-frequency signal applications. Ideal for telecommunications, test equipment, and wireless systems, this connector ensures strong mechanical stability and minimal signal loss.

Key Features

- Type N male connector for RG214 coaxial cable
- Crimp-style design for secure and efficient termination
- Durable metal housing for enhanced mechanical strength
- Low signal loss with consistent impedance (50 ohms)

Key Highlights

- Nickel-plated finish for excellent corrosion resistance
- Gold-plated center pin for superior conductivity
- Supports frequency ranges up to 11 GHz
- Designed to maintain low VSWR for optimal signal quality

Specifications

Product Description	
LT-NM-RG214	N Male for RG214 Cable
Material and Plating	
Center contact	Brass / Gold Plating
Outer contact & Body	Brass / Nickel Plating
Dielectric	PTFE
Gasket	Silicon Rubber
Electrical Characteristics	
Characteristics Impedance	50 Ohm
Frequency Range	DC~11GHz
Insulation Resistance	$\geq 5000\text{M}\Omega$
Center contact resistance	$\leq 1.0\text{ m}\Omega$
Outer contact resistance	$\leq 0.4\text{ m}\Omega$
Dielectric Strength	2500V rms (AC)
Working voltage	1000V rms
Insertion Loss	$\leq 0.15\text{dB}@3\text{GHz}$
VSWR	$\leq 1.1@DC\sim 1.0\text{GHz}$
	$\leq 1.2@DC\sim 3.0\text{GHz}$
Environmental and Mechanical Specifications	
Durability (matings)	≥ 500 cycles
Mechanical Shock Test Method	MIL-STD-202, Method 213, Test Condition G
Vibration Test Method	MIL-STD-202, Meth. 204, Cond. B
The Size of Crimp Tool	0.429 inch
Suitable cables	RG214
Temperature Range	-65°C to +165°C
RoHS	Compliant



Applications

- Cellular base stations and antenna systems
- RF and microwave communication setups
- Broadcast transmission equipment
- Military and aerospace communication systems

