LT-PL259M-RG214

PL295 Straight Male for RG214

The Lamatel LT-PL259M-RG214 is a PL259 male connector designed for RG214 coaxial cables. This connector provides a secure, threaded connection ideal for high-frequency RF applications. Commonly used in amateur radio, communications, and broadcast systems, it ensures reliable signal transmission with minimal interference.
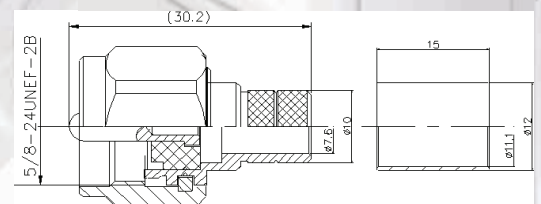
Key Features

- PL259 male connector compatible with RG214 coaxial cable
- Threaded coupling for secure and stable connections
- Durable metal construction for long-lasting use
- Ensures low signal loss and consistent 50-ohm impedance

Key Highlights

- Nickel-plated finish for enhanced corrosion resistance
- High-frequency performance up to 300 MHz and beyond
- Robust design resistant to mechanical stress and vibration
- Provides excellent shielding to reduce electromagnetic interference (EMI)

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	≥5000MΩ
Center contact resistance	≤1.0 mΩ
Outer contact resistance	≤0.4 mΩ
Dielectric Strength	2500V rms (AC)
Working voltage	1000V rms
Insertion Loss	≤0.15dB@3GHz
VSWR	≤1.1@DC~1.0GHz
	≤1.2@DC~3.0GHz
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

Applcations

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