

LT-MPL259-LLC200

MINI PL-259 UHF MALE FOR LLC200 CABLE W/ SHRINK

LT-MPL259-LLC200 is a precision PL-259 (UHF Male) connector designed for use with LLC200 coaxial cable. Engineered for reliable and low-loss connections, it provides stable performance in RF, communication, and broadcasting applications.

The LT-MPL259-LLC200 offers a secure and efficient termination solution for LLC200 cables, ensuring consistent signal transmission and mechanical durability. Its robust construction makes it suitable for use in communication networks, antenna systems, and general RF setups where dependable connectivity is essential.

Key Features

- Connector Type: PL-259 (UHF Male) for LLC200 coaxial cable
- 50Ω impedance for reliable RF performance
- Low insertion loss with stable signal transmission
- Rugged nickel-plated body for durability and corrosion resistance

Key Highlights

- Frequency Range: DC to 300 MHz (typical for UHF/PL-259 connectors)
- VSWR: ≤ 1.3 for stable signal integrity
- Body Material: Nickel-plated brass for strength and corrosion resistance
- Contact Material: Gold-plated brass for excellent conductivity

Applications

- Telecommunications base stations
- Broadcast and antenna systems
- RF transmission lines and feeders
- Outdoor wireless communication setups
- Industrial high-frequency equipment
- Signal distribution networks in critical infrastructure



Specifications

PART NUMBER	LT-MPL259-LLC200
Description	MINI PL-259 UHF MALE FOR LLC200 CABLE W/ SHRINK
Material and Plating	
Center Contact	Brass / Gold Plating
Outer Contact & Body	Brass / Nickel Plating
Crimping Sleeve	Copper / Nickel Plating
Insulator (Dielectric)	PTFE
Gasket	Silicon Rubber
Electrical Specifications	
Characteristic Impedance	50 Ohm
Frequency Range	DC~2.5GHz
Insulation Resistance	≥5000MΩ
Center Contact Resistance	≤5.0mΩ
Outer Contact Resistance	≤2.5mΩ
Working Voltage	≥500V rms / 50Hz
VSWR	≤1.20
Insertion Loss	≤0.20dB@3GHz
Environmental & Mechanical Specifications	
Mating Durability	≥500 cycles
Mechanical Shock Test Method	MIL-STD-202, Method 213, Test Condition G
Vibration Test Method	MIL-STD-202, Meth. 204, Cond.
Suitable Cable	LLC200
Temperature Range	-40°C to 85°C
RoHS	Compliant

