

LT-37PM-RJ45-3M

37-Pin Male to RJ45 Male Cable Assembly – 3 Meters

The LT-37PM-RJ45-3M is a custom cable assembly designed to connect a 37-pin male interface to a standard RJ45 male connector. It features a ruggedized PUR CAT5 cable with shielding, suitable for industrial environments where signal integrity and durability are critical.

PRODUCT HIGHLIGHTS:

- Rugged 3-meter cable assembly designed for industrial and specialty applications
- Interfaces a legacy 37-Pin Male connector with a standard RJ45 Male connector
- Double-shielded PUR CAT5 cable ensures high signal integrity in EMI-prone environments
- RoHS compliant construction for environmentally safe integration
- Custom pin mapping for tailored connectivity in control and data systems

KEY FEATURES:

- Connector 1: 37-Pin Male, securely crimped and shielded
- Connector 2: RJ45 Male, standard TIA-compliant interface
- Cable Type: Durable PUR CAT5, suitable for continuous motion and industrial use
- Shielding: Dual shielding (foil + braid) for maximum EMI protection
- Length: 3070 mm \pm 50 mm (custom lengths available on request)
- Compliance: 100% tested for continuity, RoHS compliant
- Pin Mapping: Supports custom signal routing (predefined 4-pin map)
- Applications: Ideal for automation, aerospace, test setups, and data conversion



MATERIALS & COMPLIANCE :

- Cable Material: PUR jacket (high durability)
- Connector Shells: Metal, with shielding
- Environmental Compliance: RoHS Compliant

APPLICATIONS :

- Industrial Automation
- Military & Aerospace Systems
- Test & Measurement Equipment
- Robotics
- Custom Serial-to-Network Conversions
- Medical Equipment Interfaces
- Broadcast and Audio/Video Systems
- Telecommunications Infrastructure



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PINOUT CONFIGURATION :

| CN1 (37-Pin Male) | CN2 (RJ45 Male) | Wire Color |
|-------------------|-----------------|-------------|
| Pin 12 | Pin 6 | White-Green |
| Pin 17 | Pin 2 | Green |
| Pin 26 | Pin 3 | Blue |
| Pin 30 | Pin 1 | White-Blue |

TECHNICAL SPECIFICATIONS :

| Feature | Specification |
|----------------------|--|
| Cable Length | 3070 mm (3.07 meters) |
| Connector 1 | 37-Pin Male |
| Connector 2 | RJ45 Male |
| Cable Type | PUR CAT5 with dual shielding |
| Shielding | Double shielded (braid + foil) |
| Pin Mapping | Custom mapped – see pinout table below |
| RoHS Compliance | Yes |
| Operating Conditions | Designed for environments requiring rugged cabling |
| Testing | 100% continuity and insulation resistance tested |
| Defects Allowed | None (no shorts, open, mismatch, or disconnection) |



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TECHNICAL DRAWING

