

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	Design for environments requiring rugged cabling
Testing	100% continuity and insulation resistance tested
Defects Allowed	one (shorts, open, mismatch, or disconnection)



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TECHNICAL DRAWING

