

## Introducing Industrial RJ45/ Fiber Optic Push Pull Variant 14 metal shell connector



The new Industrial RJ45/Fiber Optics LC-Type push pull variant 14 metal shell connector is equipped with a robust termination technology that allows a timesaving and flexible field installation without any special tool. With its metal shell, this RJ45/fiber optic connector is able to withstand harshest environments, such as shock, vibration or temperature, and offers good chemical, oil or spark resistance. Due to its high grade IP rating and durability, the metal shell version provides a reliable and safe connection and reduces maintenance cost. The comfortable push pull mechanism ensures a secure, sealed interconnection in which all common cable diameters can be terminated.



RJ45 and  
fiber optic frames

### Applications

- Automotive production
- Welding machines
- Motors/Motor controls
- Machinery
- Robotics

### Benefits

- Reliability and cost savings with durable and long lifetime connector
- High grade IP shielding and temperature resistance make it suitable for harsh and outdoor environments
- Supports fiber optics or RJ45
- Quick and easy connect and disconnect
- Also available as plastic version

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### Features

- IEC Standardized Interface
- Wide range pinch ring seal covers 4.8 - 8.0 mm cable outside diameter
- Flexible solution for all industrial/customized connector interfaces by using a provided adapter
- Pre-assembled connector housings
- Equipped with RJ45 4/8 position or Fiber Optic LC Type

### Materials

- Housing: Zinc die casting, Nickel plated
- Thermoplastic: UL94 V0

### Standards/Specifications

- Product Specifications: 108-94207-1
- Compliant to IEC 61076-3-117
- Instruction Sheets:
  - RJ45: 411-18564, 411-18567
  - Fiber Optic: 411-18565, 411-18568

### Product dimensions

- Plug connector: L: 65 mm W: 23 mm H: 29 mm
- Jack Frame: L: 26 mm W: 38 mm H: 52 mm

### Electrical

- RJ45 CAT 5e 4/8 position
- Fibre Optic LC Type Single/Multi mode

### Mechanical

- Operating Temperature: -40 to +70 °C
- Degree of Protection IP65/IP67
- Supports 750 mating cycles minimum

### Product Offering

Description	Part Nr.
Plug with RJ45 CAT5e; 8pos.	2120864-1
Plug with RJ45 CAT5e; 4pos.	4-2120864-1
Jack with RJ45 CAT5e; 180°	5-2120871-1
Jack with RJ45 CAT6; Side Exit 90°	4-2120871-1
Jack with RJ45 CAT5e; Pass Through; 8pos.	2120871-1
Plug with Fiber Optic Single Mode; LC Type	2-2120864-1
Plug with Fiber Optic Multi Mode; LC Type	3-2120864-1
Jack with Fiber Optic Single Mode; LC Type	2-2120871-1
Jack with Fiber Optic Multi Mode; LC Type	3-2120871-1
Coupler Plug RJ45 CAT5e; 8pos. and Jack; CAT5e; 180°	7-2120875-1
Coupler Plug RJ45 CAT5e; 4pos. and Jack; CAT5e; 180°	8-2120875-1
Coupler Plug RJ45 CAT5e; 8pos. and Jack; CAT6; Side Exit 90°	5-2120875-1
Coupler Plug RJ45 CAT5e; 4pos. and Jack; CAT6; Side Exit 90°	6-2120875-1
Coupler Plug RJ45 CAT5e; 8pos. and Jack; CAT5e; Pass Through; 8pos.	2120875-1
Coupler Plug RJ45 CAT5e; 4pos. and Jack; CAT5e; Pass Through; 8pos.	4-2120875-1
Coupler Plug and Jack with Fiber Optic Single Mode; LC Type	2-2120875-1
Coupler Plug and Jack with Fiber Optic Multi Mode; LC Type	3-2120875-1

all RJ 45 Plugs and Jacks are shielded

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### Applications

- Factory Automation Industry
- Sealed automation units
- Decentralized applications
- Cabinet-outlets
- Manufacturing cells and lines for the automotive industry
- Solar and wind parks
- Train Communication, Data Network



### Benefits

- Reliability and cost savings with durable and long lifetime connector
- High grade IP shielding and temperature resistance make it suitable for harsh and outdoor environments
- Quick and easy connect and disconnect
- Also available as metal version

### [te.com/products/industrial-rj45](http://te.com/products/industrial-rj45)

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### Features

- IEC Standardized Interface
- Flexible solution for all industrial/customized connector interfaces by using a provided adapter
- Pre-assembled connector housings

### Materials

- Housing: UL listed
- UV: Resistant Housing Material
- Frame Kit: UL 94 V0

### Standards/Specifications

- Compliant to IEC 61076-3-117
- Product Specifications: 108-94207-1

### Product dimensions

- Plug connector: L: 65 mm W: 23 mm H: 29 mm
- Jack Frame: L: 26 mm W: 38 mm H: 52 mm

### Electrical

- RJ45 CAT 5e 4/8 position
- Meets TIA/EIA 568 Category 5e requirements
- UL registered

### Mechanical

- Temperature Range: -40C to +70C
- Degree of Protection: IP65/67
- Supports 750 mating cycles minimum

### Product Offering

Description	Part Nr.
4 position plug kit Cat 5e	1987004-1
8 position plug kit Cat 5e	1987004-2
Frame kit for guiding and sealing	1987307-1
Frame kit with AMP-TWIST 6S SL jack	1987673-1
Frame kit with SL-Series 110 connect jack	1987674-1
Application Tools	Part Nr.
Ethernet-Cable Stripper	1981944-1
Torque wrench 1.2 - 3.0 Nm	2161345-1
Slotted wrench size 13mm	523229-1