

## 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. Supporting IEC 61076-3-117, it is specifically suited for automotive production. 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.

### 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



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

all RJ 45 Plugs and Jacks are shielded

## Introducing Industrial RJ45 Push Pull Variant 14 plastic shell connector



### 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)

1-1773733-5 IND WR 09/2014. © 2014 TE Connectivity. All Rights Reserved. TE Connectivity and TE connectivity (logo) are trademarks. Other logos, products and/or company names mentioned herein may be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this document, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this document are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

### 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.
Plastic 4 position plug kit Cat 5e	1987004-1
Plastic 8 position plug kit Cat 5e	1987004-2
Plastic Frame kit for guiding and sealing	1987307-1
Plastic Frame kit with AMP-TWIST 6S SL jack	1987673-1
Plastic 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

