

## 3M™ K5e RJ45 Jacks



3MRJ45 K5e UTP Jack

Part of 3M Network Solutions, the K5e range is the 3M Category 5e/Class D solution (ISO/IEC 11801, EN 50173 and TIA 568.C.2) RJ45 jacks.

The K5e jack is a core product in the 3M system solution, which includes a comprehensive range of patch panels, sockets and faceplates, patch cords and cables.

The RJ45 K5e jack is available in three different formats:

- UTP
- FTP with drain wire
- STP 360° braid or foil connection

### Applications

- IEEE 802.3 1000BASE-T
- IEEE 802.3at PoE+

### Standards

- ISO/IEC 11801 Edition 2, Am 1-2
- EN 50173-1
- ANSI/TIA/EIA-568-C.2-2009
- IEC60512-99-01

### Features

- Tool-less jack
- Re-usable
- **Shallow depth, cable entry from top or bottom**
- One-click tool-less design
- Accepts both solid conductors from
- AWG 26 to 22 and stranded conductors
- Integral shutter
- POE+ compliant

### Benefits

- Easy and quick to install
- Fast reliable connection in record time: all 8 copper conductors are effortlessly wired in a single operation
- Quality of connection by design: not dependant on tool condition or operator skills, just listen for the click
- If a wiring mistake is made there is no need to use a new jack
- No time wasted waiting for another delivery
- Easier cable management
- Allows a wide range of cable routing options
- Can be used with low profile trunking and boxes
- Solutions for all levels of EMC protection using the same accessories means less training
- Compatible with many cables on the market and enables 'jack to plug' cables to be manufactured using
- stranded conductors (for use in open office architectures)
- Increased dust protection, especially during installation or in a dirty environment
- No additional shuttering required on faceplates
- Allows direct mounting into floor boxes
- Protects jacks in the patch panel
- Supports PoE plus applications according to latest IEEE standards.

# Specifications

## Features

- Tool-less connection of all eight wires at one time by closing the metal locking wings
- Wire holder is labelled with both 568A and 568B wire maps
- Single forked contacts
- Integrated shutter

## Technical characteristics

Conforms to permanent link and channel performance parameters of Class E ISO/IEC 11801, EN 50173 and category 5e TIA 568 standards

Conductor diameter:

solid wires: 0,50 to 0,65 mm  
stranded wires: 7 x 0,15 to 0,20 mm

Maximum diameter of

wire insulation: 1,6 mm

Lead through resistance: < 200 mΩ

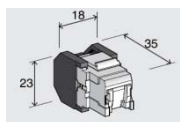
Insulation resistance: > 500 MΩ

Protection contacts: 1,6 μm gold

Voltage Rating: 75 VDC (maximum)

## Ordering Information

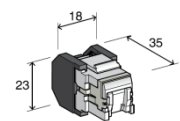
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**3M™ RJ45 K5e UTP Jack, white, 8 contacts**

Also available in blue, green, red, yellow, black, orange and almond

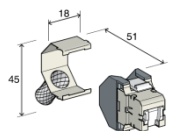
**VOLOCK5EU8 (bags of 8)**  
**VOLOCK5EUV (bulk)**



**3M™ RJ45 K5e FTP Jack, white, 9 contacts**

Ninth point for grounding continuity

**VOLOCK5EF8 (bags of 8)**  
**VOLOCK5EFV (bulk)**



**3M™ RJ45 K5e STP Jack, white, 8 contacts**

Metallic nose and tinned bronze cover, shielded by a reversible metal cover

Shipped with a fixing collar

**VOLOCK5ES8 (bags of 8)**  
**VOLOCK5ESV (bulk)**

## Important Notice

The details contained in this literature have been carefully prepared from information available to 3M at the time of its production. However, it is not intended to be relied upon for purposes of product specification and you should contact your sales representative if specification details are required. Because of the wide variety of processes and conditions in which these products may be used, the user should first carry out tests to determine the suitability of the products for the particular use intended. All questions of warranty and liability relating to 3M products are governed by the selling 3M subsidiary's Terms of Sale subject where applicable to the prevailing law.  
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