

## 3M™

# K6AUN RJ45 UTP Jack



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### 3M™ K6AUN RJ45 Category 6A UTP Jack, with three cable entries

The K6AUN RJ45 UTP Jack is a key component of the 3M Category 6A/Class E<sub>A</sub> system.

The unique three cable entry points make it possible to install the jack anywhere.

The traditional 3M 'one click' design allows an easy, tool-less termination on 3M Category 6A U/UTP cable.

#### Applications

- IEEE 802.3 10GBASE-T
- PoE – IEEE 802.3at

#### Standards

- ISO/IEC 11801 Edition 2, Am 1-2 Link
- EN 50173-1 Link
- ANSI/TIA/EIA-568-C.2-2009 Link
- IEC 60512-99-001

#### Features

- Three cable entry points
- Class E<sub>A</sub> Link compliant according to ISO/IEC standard
- Category 6A Link compliant according to TIA standard
- Tool-less termination
- Re-usable jack
- No untwisting of pairs before termination
- Connector can be terminated with both solid and stranded wire
- Integrated automatic dust shutter
- Compact size
- PoE+ compliant

#### Benefits

- Less cable bending required - better compliance with minimum bend radius.
- Allows selection of the cable entry according to the best cable path: floor, ceiling, duct, patch panel.
- High reliability and performance.
- No specialised tools required - termination performance independent of tool quality.
- No additional expenditure on tools - No delays caused by lack of tools or damaged tools.
- If a wiring mistake is made there is no need to use a new jack - no time wasted waiting for another delivery.
- Minimised stripping length - very limited pair untwist - pairs kept together.
- Easy fitting of the pairs without threading through a wire guide.
- Enables 'jack to plug' cables to be manufactured using stranded conductors (for use in open office architectures and consolidation points).
- 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 panels.
- Same format as other 3M RJ45 connectors.
  - Easy mounting into 3M branded face plates, patch panels, adaptors and other accessories.
- Compact size allows easier cable management and more space to ensure the cable minimum bend radius is not compromised.
- Supports PoE plus applications according to latest IEEE standards.

## Specifications

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### 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
- Snap in mounting
- Integrated shutter
- White colour (RAL 9010)

### Technical characteristics

#### 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 m $\Omega$

Insulation resistance: > 500 M $\Omega$

Protection contacts: 1,27  $\mu$ m gold (contact area)

Voltage Rating: <75 VDC

## Ordering Information

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3M™ RJ45 K6A UTP Jack

## Ref. No.

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**VOLOCK6AUN8 (bags of 8)**  
**VOLOCK6AUNV (bulk)**

### Important Notice

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