

3M™

K6UH RJ45 UTP Jack



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3M™ K6UH RJ45 Category 6 UTP Jack, with three cable entries

The K6UH RJ45 UTP Jack is a key component of the 3M Category 6/Class E system, fully compliant with Category 6 ISO/IEC, EN and TIA standards for hardware performance, confirmed by independent laboratory certifications (Delta, GHMT).

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 6 U/UTP cables.

Applications

- IEEE 802.3 1GBASE-T
- PoE – IEEE 802.3at

Standards

- ISO/IEC 11801 Edition 2, Am 1-2
- ISO/IEC 60603-7-5
- EN 50173-1
- ANSI/TIA/EIA-568-C.2-2009
- IEC 60512-99-001

Features

- Three cable entry points
- Category 6 compliant according to ISO/IEC standard
- Category 6 compliant according to TIA standard
- Certified by Delta and GHMT
- 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.
- Assurance that the 3M K6UH Jack complies with standards.
- 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

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
- Compact mounting
- Integrated shutter
- White colour (RAL 9010)

Technical characteristics

Conforms to Category 6 hardware performance parameters of ISO/IEC 11801, EN 50173 and TIA 568

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: 1,27 μm (50 μinches)

Voltage Rating: 75 VDC (maximum)

Ordering Information



3M™ RJ45 K6 UTP Jack

Ref. No.

VOLOCK6 UH8 (bags of 8)
VOLOCK6 UHV (bulk)

Important Notice

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