

3M™

K6SH RJ45 STP Jack



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3M™ K6SH RJ45 STP Jack, with three cable entries

The K6SH RJ45 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 certification (Delta).

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

The 360° shielding of the jack facilitates a worry-free Class E / Category 6 installation.

The traditional 3M 'one click' design allows an easy, tool-less termination on 3M Category 6 F/UTP and Category 7 S/FTP 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
- 360° Metallic shielding
- 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 K6SH Jack complies with standards.
- Total immunity to alien crosstalk, by design
- 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

- Plated copper shielding as protection against the effects of alien crosstalk
- Plated copper cap for the rear of the jack
- Plated copper cable cap is adaptable to allow for top, bottom or rear cable entry
- Metal braid on cap gives 360° connection to cable screen
- 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
- 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

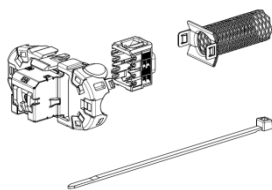
Insulation resistance: > 500 MΩ

Protection contacts: 1,27 µm gold

Voltage Rating: 75 VDC (maximum)

This product is designed for use with RJ 12 and RJ45 plugs where all positions are fitted with contacts.

Ordering Information



3M™ RJ45 K6 STP Jack

Supplied with a cable tie to hold the connector braid onto the cable shielding

Ref. No.

VOLOCK6 SH8 (bags of 8)

VOLOCK6 SHV (bulk)

Important Notice

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