

3M™ K6ASN RJ45 STP Jack



3M™ K6A RJ45 STP Jack

3M™ K6ASN RJ45 STP Jack, with three cable entries

The K6ASN RJ45 Jack is a key component of the 3M Category 6A/Class E_A system, fully compliant with Category 6_A ISO/IEC, EN and Category 6_A TIA standards for hardware performance, confirmed by multiple independent lab certifications (Delta and GHMT Premium Verification Programme (PVP)).

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_A / Category 6_A installation. The traditional 3M 'one click' design allows an easy, tool-less termination on 3M Category 6_A F/UTP, U/FTP, F/FTP and Category 7 S/FTP cables.

Applications

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

Standards

- ISO/IEC 11801 Edition 2.2
- EN 50173-1
- ANSI/TIA/EIA-568-C.2-2009
- IEC 60512-99-01

Features

- Three cable entry points
- Category 6_A compliant according to ISO/IEC standard
- Category 6_A compliant according to TIA standard
- Certified by Delta and GHMT
- 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.
- Out performs standards, high reliability - positive permanent link headroom down to 3m links.
- Assurance that the 3M K6ASN Jack complies with standards.
- Total immunity to alien crosstalk, by design - no need to test ANEXT on the field, dramatic reduction in testing time.
- 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 onto:
 - 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 never 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 hardware performance parameters of Category 6A ISO/IEC 11801, EN 50173 and Category 6A 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

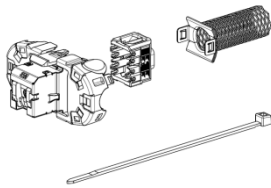
Protection contacts: 1,27 µm gold

Voltage Rating: 75 VDC (maximum)

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

Ref. No.

Ordering Information



3M™ RJ45 K6A STP Jack

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

VOLOCK6ASN8 (bags of 8)
VOLOCK6ASNV (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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