Excel Category 6A Screened Twisted Pair (STP) Keystone Jack – Toolless
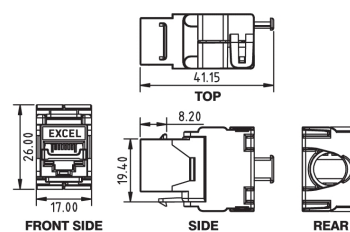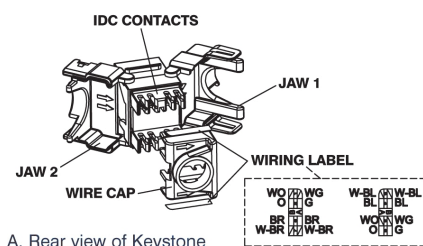
excel
without compromise.

CAT6A

DELTA

X **25 Year System Warranty**

X **Supports 10 Gigabit Ethernet**

X **Toolless termination**

X **EC Verified**
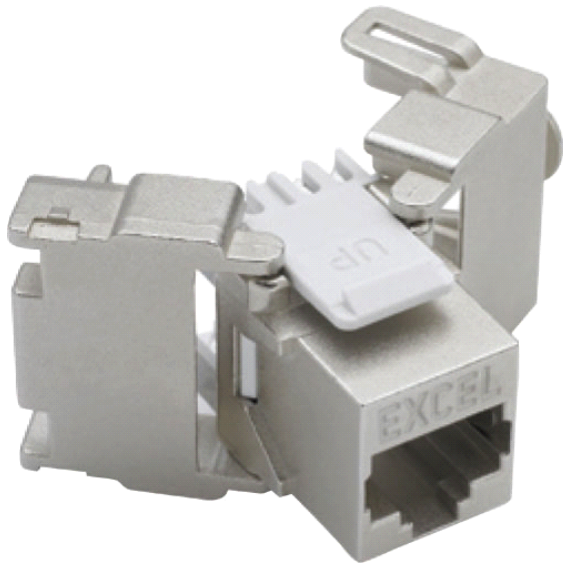
X **360° Screen die cast housing**

Features

- 25 Year System Warranty
- Toolless termination
- EC Verified
- Lifetime Product Warranty
- Suitable for installation in 37mm deep back box with bevelled faceplate

- Supports 10 Gigabit Ethernet
- 360° Shielding protects against alien crosstalk
- Suitable for patch panel and faceplate mounting
- 360° Screen die cast housing
- No.3 cabling system by market share, as reported by BSRIA

Product Overview

The Excel Category 6A Screened Twisted Pair (STP) Keystone Jack, is a toolless termination RJ45 socket suitable for mounting in range of housings from patch panels, faceplates and shutters to sub floor boxes, and work area distribution enclosures. The socket itself is housed in a high quality zinc die cast housing, which opens a the rear in a butterfly manner to reveal the IDC termination points. Once the conductors of the cable to be terminated are fed into a management cap the process is completed by snapping the 'butterfly wings' together with minimal, but firm pressure. A choice of Patch Panel frames with either 16 or 24 port density in both black and chrome are available.

A. Rear view of Keystone

B. Keystone profiles. Dimensions in mm

C. Rear view of Keystone with wire cap attached

D. Keystone Jacks mounted in chrome style patch panel

Performance Overview

The Excel Category 6ᴀ keystone jack is designed and manufactured to comply with the channel requirements of Augmented Category 6/Class EA specifications as defined in ISO 11801 2nd edition amend 1.1, and ANSI/ TIA-568-C.1standards. A range of performance characteristics are tested upto 500Mhz including return loss, attenuation, and near end cross talk (NEXT) and far end cross talk (FEXT). Both worst case and power sum test methods are applied. The product design incorporates staggered 50 micron plated contact pins within the jack to ensure optimum performance levels are achieved, the die cast housing around the terminated pairs ensures Alien Crosstalk is minimised. Support of emerging applications such as 10 Gigabit Ethernet is guaranteed over channel distances of upto 100 metres. The keystone jack is fully interoperable and backward compatible with Category 5e and Category 6 products.

Performance / Specification Table

Specification	· ISO/IEC 11801:Amend 2:2010:EN 50173:2007:ANSI/TIA -568-C:2009
Wiring Specification	T568A & T568B
Dimensions	17mm wide x 41.15mm deep x 26mm high
Installation Recommendation	Suits minimum of 37mm Back Boxes when installed with Bevelled Faceplate
RJ45 Jack	Min life 750 insertions
RJ45 Jack	50 Microinch Gold Plated contact pins
NEXT at 500MHz	Category 6ᴀ 39.10dB @500MHz (Power Sum)
EL FEXT at 500MHz	Category 6ᴀ 27.00dB @500MHz (Power Sum)

Electrical performance meets or exceeds channel requirements as defined in the latest Category 6ᴀ, specification documents, ISO/IEC 11801 : Amend 2:2010 Class EA amendment, and TIA-568-B.2-10, when installed with Excel Category 6ᴀ cable.

Typical Applications

- IEEE802.3 1000BASE-T Gigabit Ethenet
- Digital and analogue video
- IEEE802.3an 10GBASE-T 10 Gigabit Ethernet
- 1.2/2.4Gbs ATM

Part Number Information

Part No.	Description
100-180	Category 6A Screened Keystone Jack, Butterfly Style, Toolless

EC verified. This product has been tested by EC Cabling Group of DELTA and complies with the electrical requirements of: ISO/ IEC 11801 2nd edition:2002, ISO/IEC 11801 amendment 2:2010, EN 50173:2007, ANSI/TIA-568-C.2 Cat. 6A, Draft IEC 60603-7-51 (screened) (including all connecting hardware alien crosstalk (PS ANEXT and PS AFEXT) parameters). The testing included measurement of NEXT with a compliant test plug and calculation of all the 14 test cases in both measurement directions. The product takes part in a maintenance of certification schedule, which implies that DELTA EC Cabling performs a quality audit of the manufacturer's production and QA sites. The maintenance testing of the product is performed on a sample basis once a year. Technical Report DELTA-N312549-01,rev.1, DANAK-19J2023.

Patch Panel Frames

Part No.	Description
100-025	16 port 1U Unloaded Black Keystone Frame
100-026	24 port 1U Unloaded Black Keystone Frame
100-027	16 port 1U Unloaded Chrome Keystone Frame
100-028	24 port 1U Unloaded Chrome Keystone Frame
100-040	24-port Keystone V Patch Panel Frame, Black

NB. All patch panels are supplied with cage nuts, earth cable, and rear management tray

System Warranty

The Excel System Warranty provides a 25-year product and applications assurance of compliance with the industry performance standard appropriate to the class of cabling installed. The warranty may be applied for by an accredited Excel Partner who has designed, supplied and installed the said system.

25 YEAR WARRANTY excel

Excel is a world-class premium performing end-to-end infrastructure solution - designed, manufactured, supported and delivered - without compromise.

Contact us at **sales@excel-networking.com**

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