

✕ 25 Year System Warranty

✕ Toolless termination

✕ Supports Gigabit Ethernet

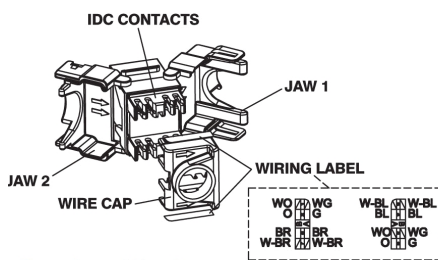
✕ 360° Shielding - Die cast housing

## Features

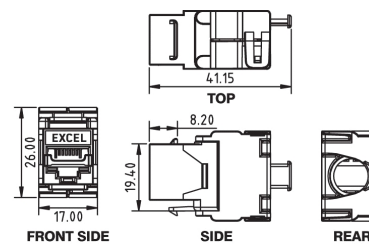
- 25 Year System Warranty
- Supports Gigabit Ethernet
- Category 5e compliant
- Suitable for installation in 37mm deep back box with bevelled faceplate
- Toolless termination
- 360° Shielding - Die cast housing
- Suitable for patch panel mounting
- Lifetime Product Warranty
- Independently verified

## Product Overview

The Excel Category 5e Screened 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 areas distribution enclosures. The socket itself is housed in a high quality zinc die cast housing, which opens at the rear in a butterfly manner to reveal the IDC termination points. Once the conductors of the cable 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, Part No 100-028

## Performance Overview

The Excel Category 5e keystone jack is designed and manufactured to comply with the requirements of Category 5e/Class D as defined in ISO 11801 2nd edition, and ANSI/TIA-568-B.2. A range of performance characteristics are tested upto 100MHz including return loss, attenuation, 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 applications such as Gigabit Ethernet is guaranteed over channel distances of upto 100 metres.

## Performance / Specification Table

Specification:	Category 5e
Wiring Specification:	T568A & T568B
Dimensions:	17.00mm wide x 41.15mm deep x 26.00mm high
Installation Recommendation:	Suits minimum of 37mm back boxes when installed with beveled faceplate
RJ45 Jack:	Min. life 750 insertions
RJ45 Jack:	50 Micro-inch Gold Plated contact pins
IDC Wire Gauge:	22 to 26 AWG
NEXT at 250MHz	Category 5e 39.5dB @100MHz (Power Sum)
FEXT at 250MHz	Category 5e 30.4dB @100MHz (Power Sum)
Storage Temperature Range:	-40 to +70 °C
Operational Temperature Range:	-10 to +60 °C
Relative Humidity:	Maximum non condensing 93%
Jack Housing:	Zinc Alloy fully screened

## Typical Applications

- 1000BASE-T Gigabit Ethernet
- 10 Base-T Ethernet
- 622Mbps ATM
- 100BASE-TX Fast Ethernet
- 155Mbps ATM

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

## Part Number Information

Part No.	Description
100-906	Category 5e Screened Butterfly Style Toolless Keystone Jack

## Mounting Hardware

Part No.	Description
100-014	Euromod 25mm x 50mm Flat Keystone Shutter - White
100-018	6C Flat Keystone Shutter - White
100-175	Euromod 25 x 50mm Angled Keystone Shutter - White
100-022	6C Angled Keystone Shutter - White
100-025	16-port 1U Unloaded Keystone Frame - Black
100-026	24-port 1U Unloaded Keystone Frame - Black
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

## 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.



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](mailto:sales@excel-networking.com)

