

X 25 Year System Warranty

X Tool-less Termination

X Supports Gigabit Ethernet

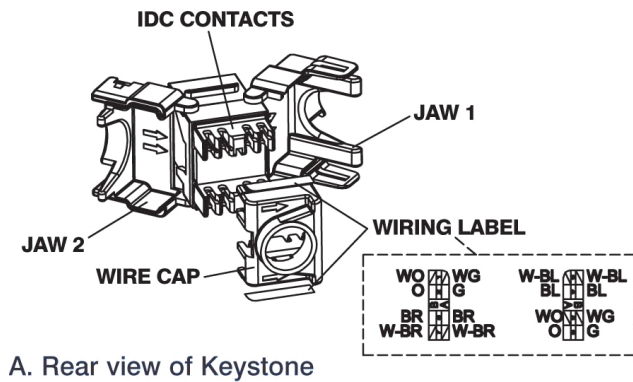
X ETL Verified

Features

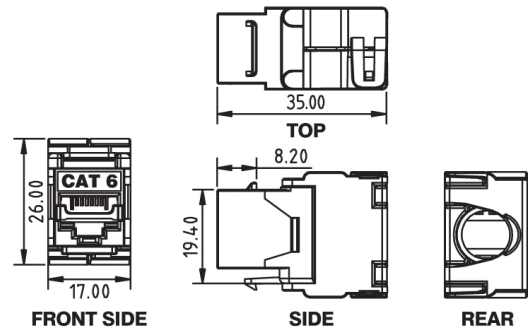
- X 25 Year System Warranty
- X Supports Gigabit Ethernet
- X Category 5e Compliant
- X Suitable for patch panel and faceplate mounting
- X Lifetime Product Warranty
- X Tool-less Termination
- X ETL Verified
- X Two piece simple to use design
- X Suitable for installation in 37mm deep back box with bevelled faceplate

Product Overview

The Excel Category 5e Unscreened Keystone Jack, is a tool-less 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 ABS plastic housing, which opens at 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 wire 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

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 up to 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 up to 100 metres.

Performance / Specification Table

Specification:	Category 5e ANSI/TIA/EIA-568-B.2
Wiring Specification:	T568A & T568B
Dimensions:	17.00mm wide x 35.15mm deep x 25.20mm high
Installation Recommendation:	Suits minimum of 37mm back boxes when installed with bevelled 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:	High-Impact Flame Retardant Plastic UL 94V-0

Typical Applications

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

Part Numbers

Part No.	Description
100-203	Category 5e Unscreened Butterfly Style Toolless Keystone Jack - White
100-204	Category 5e Unscreened Butterfly Style Toolless Keystone Jack - Black

Part Numbers

Part No.	Description
100-014	Euromod 25 x 50mm Flat Keystone Shutter - White
100-018	6C Flat Keystone Shutter - White
100-022	6C Angled Keystone Shutter - White
100-175	Euromod 25 x 50mm Angled Keystone Shutter - White
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

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.



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

