# Excel Category 6A Low Profile Unscreened Keystone Jack –Toolless

**excel** without compromise.
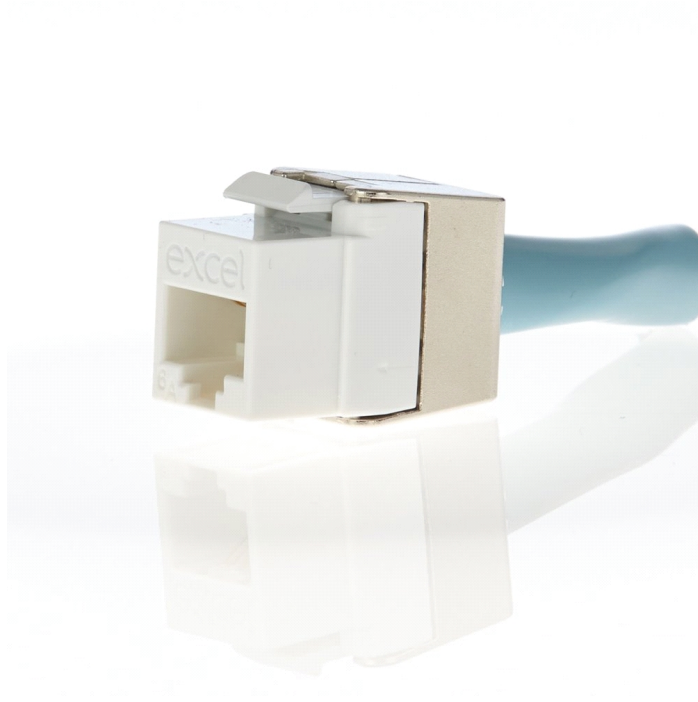
CAT6A

DELTA

X **25 Year System Warranty**

X **Low Profile - 28mm overall depth**
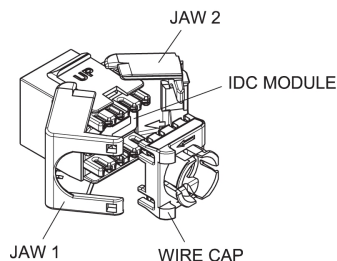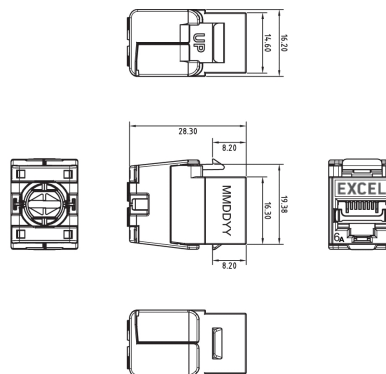
X **Supports 10 Gigabit Ethernet**

## Features

- 25 Year System Warranty
- Supports 10 Gigabit Ethernet
- 3rd Party ISO11081 2nd Edition verification
- Low Profile - 28mm overall depth
- Toolless termination design

## Product Overview

The Excel Category 6A Low Profile Unscreened Keystone Jack, is a reduced size toolless termination RJ45 socket. The reduced size allows for multiple cable entry directions to be accommodated when this jack is mounted in a standard depth back box. This permits many mounting options including flush shutters at the outlet as well as more common angled shutter used with keystone jacks. A choice of compatible Patch Panel frames with either 16 or 24 port density in both black and chrome are available for this Low Profile Jack. The socket is manufactured from high quality polymer with a die cast metallic "butterfly" style rear closing. Once the pairs are arranged in the cable management cap and trimmed it is a simple case of closing the 'butterfly' together to complete the termination.



A. Rear view of Keystone

JAW 2
IDC MODULE
JAW 1
WIRE CAP



B. Keystone profiles. Dimensions in mm

## Performance Overview

The Excel Category 6A Low Profile Unscreened Keystone Jack is designed and manufactured to comply with the component requirements of Category 6A/Class EA specifications as defined in ISO 11801 2nd edition amend 2, and ANSI/TIA-568-C.2 standards. A range of performance characteristics are tested up to 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 micro-inch gold plated contact pins within the jack to ensure optimum performance levels are achieved. Support of emerging applications such as 10 Gigabit Ethernet is guaranteed over channel distances of up to 100 metres. The Low Profile keystone jack is fully interoperable and backward compatible with Category 5e and Category 6 products.

## Performance/Specification Table

| Specification | ISO/IEC 11801:2011 (Ed. 2.2) |
|---|---|
| - | IEC 60603-7-41:2010 |
| - | EN 50173-1:2011 |
| - | EN 50173-2:2007 including amendment A1:2010 |
| - | ANSI/TIA-568-C.2:2009 |
| Dimensions | 16.2 mm wide x 28.3 mm deep x 21.5 mm high |
| RJ45 Contacts | Nickel plated phosphor bronze with 50 micro-inch gold plating |
| IDC Contacts | Nickel plated phosphor bronze alloy |
| IDC Wire Gauge | 22 - 26 AWG |
| RJ45 Life | Minimum 750 insertions |
| Storage Temperature Range | -40°C to +70°C |
| Operating Temperature Range | -10°C to +60°C |
| Relative Humidity (Operating) | 93% Maximum Non-condensing |

## Typical Applications

- 10Base-T Ethernet
- 100BASE-TX Fast Ethernet
- 1000BASE-T Gigabit Ethernet
- 10GBASE-T 10 Gigabit Ethernet
- Digital and Analogue Video
- 1.2/2.4 Gbs ATM

## Part Number Information

| Part No. | Description |
|---|---|
| 100-182-WT | Category 6A Low Profile UN-Screened Keystone Jack Toolless - White |
| 100-182-BK | Category 6A Low Profile UN-Screened Keystone Jack Toolless - 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.

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