Excel Category 6 Screened Twisted Pair (STP) Jack – Toolless

excel
without compromise.

CAT6

DELTA

X **25 Year System Warranty**

X **Toolless termination**

X **Supports Gigabit Ethernet**

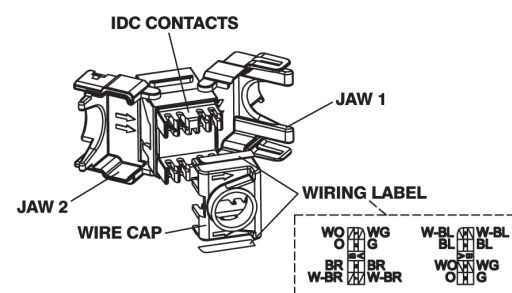X **360° Screen die cast housing**

X **Delta Verified**

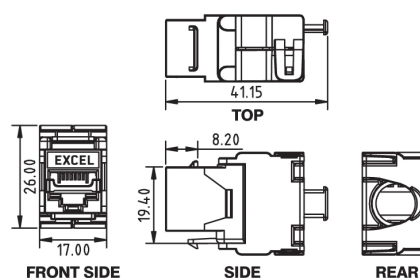X **360° Shielding protects against alien crosstalk**

Features

- 25 Year System Warranty
- Supports Gigabit Ethernet
- Delta Verified
- Toolless termination design
- Suitable for installation in 37mm deep back box with bevelled faceplate

- Toolless termination
- 360° Screen die cast housing
- Category 6 compliant
- Suitable for patch panel and faceplate mounting
- Lifetime Product Warranty
- 360° Shielding protects against alien crosstalk

Product Overview

The Excel Category 6 Screened Twisted Pair (STP) Keystone Jack, is an independently verified 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 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 management cap the process is completed by snapping the 'butterfly wings' together with minimal, but firm pressure.

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 6 keystone jack is designed and manufactured to comply with the requirements of Category 6/Class E as defined in ISO 11801 2nd edition, and ANSI/TIA/EIA-568-B.2. A range of performance characteristics are tested upto 250Mhz 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. The keystone jack is fully interoperable and backward compatible with Category 5e products.

Performance / Specification Table

Specification	ISO/IEC 11801 2nd edition:2002
	EN50173:2007
	ANSI/TIA/EIA-568-B.2
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 beveled Faceplate
RJ45 Jack	Min life 750 insertions
RJ45 Jack	50 Microinch Gold Plated contact pins
NEXT at 500MHz	Category 6 39.1dB @250MHz (Power Sum)
EL FEXT at 500MHz	Category 6 27.0dB @250MHz (Power Sum)
Storage Temperature Range	-40 to +70°C(Power Sum)
Operational Temperature Range	-10 to +60°C (Power Sum)
Jack housing	Zinc alloy fully shielded

Typical Applications

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

Part Number Information

Part No.	Description
100-210	Category 6 Screened Toolless Jack - Butterfly Style

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

Virtware