

X 25 Year System Warranty

X Supports Gigabit Ethernet

X Choice of Colours

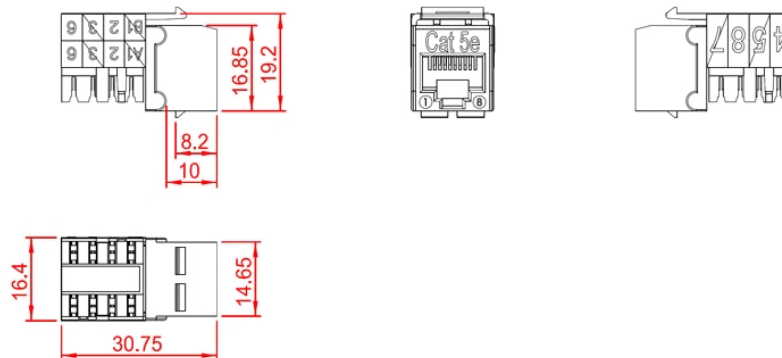
Features

- 25 Year System Warranty
- Choice of Colours
- IDC point at 90° to jack
- Lifetime Product Warranty
- 3P Verified
- Supports Gigabit Ethernet
- Category 5e compliant
- Mounts in either panel or shutter
- No.2 cabling system by market share, as reported by BSRIA

Product Overview

As an alternative to the one piece shuttered Excel module range we can now offer the Excel Plus Keystone Jack options. Suitable for mounting in a range of faceplates, shutters and a 1U 24 port frame, these jacks are quick and easy to install.

Each Excel Plus Keystone Jack complies with the standards for enhanced Category 5. Termination can be made using 110 compatible tooling.



Performance Overview

Excel Plus Category 5e Keystone jacks are manufactured and independently tested to the current Category 5 enhanced standards as defined by the ISO/IEC, EN & TIA/EIA standards' bodies. Swept frequency tests are applied to each critical performance characteristic, such as near end cross talk (NEXT) and far end cross talk (FEXT). Both Worst Case and Power Sum Test methods are applied. Actual performance exceeds the required standard by a considerable margin ensuring sufficient headroom for even the most demanding applications.

Typical Applications

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

Material

Item	Material
Keystone Jack Housing	ABS High-Impact UL94V-0 Thermoplastic
Spring Wire	Phosphor bronze, 0.45mm diameter, 50µ" gold over 100µ" nickel undercoat
IDC Plastic	Polycarbonate resin, high impact UL94V-0 thermoplastic
IDC Contact	Phosphor bronze, Thickness 0.4mm, 200µ" tin over 50µ" nickel undercoat

Physical Characteristics

Item	Value
Suitable impact tool	110 style punch down tool
Insertion life	750 mating cycles with FCC compliant RJ-45 plug
Contact force	100 grams with FCC compliant RJ-45 plug
Plug retention	48.9 N
Durability	200 termination cycles
Contact compatibility	22 to 26 AWG solid and 24 AWG stranded
Operating temperature range	-10 °C to +60 °C
Storage temperature range	-40 °C to +68 °C
Humidity	10% to 90% RH

Electrical

Item	Value
Insulation resistance	500 MΩ
Dielectric withstanding voltage	1000 V AC
DC current rating	1.5 Amps
DC resistance	0.1 Ω
Contact resistance	20 mΩ

Part Number Information

Part No.	Description
100-010	Category 5e Plus Keystone Jack RJ45 - White
100-010-BK	Category 5e (UTP) Keystone Jack 90deg - 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

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