excel
without compromise.

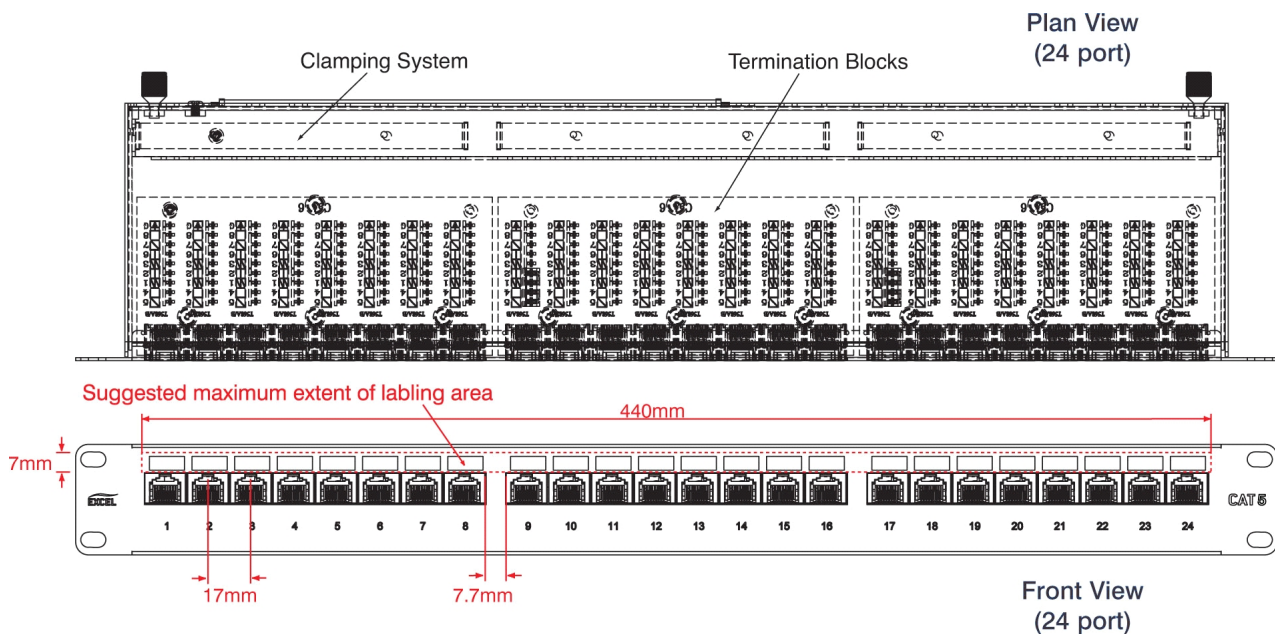**CAT5e**

X **25 Year System Warranty**

X **Supports Gigabit Ethernet**

Features

- 25 Year System Warranty
- Category 5e compliant
- High Density Design
- Built-in Rear Cable management
- LSA Style Termination Blocks

- Supports Gigabit Ethernet
- Power Sum Compliant
- Screen Printed Label System
- Integral Grounding Clamp
- No.2 cabling system by market share, as reported by BSRIA

Product Overview

Excel Category 5e Shielded Patch Panels comply with the requirements of the Category 5e specification. Each panel is designed to be quick and easy to install and maintain, with 24 Ports per 1U of rack space. A built in rear management tray, fulfils a number of functions: firstly, it relieves any stress that may be applied to the cable during and after installation; to allow trouble free termination the IDC blocks are positioned on the tray, at a 90˚ angle to the RJ45 sockets; finally at the rear of each tray, an adjustable clamping plate provides a quick and effective grounding position for the cables entering the panel. A screw on top plate, is supplied to complete the installation.

Plan View (24 port)

Clamping System

Termination Blocks

Suggested maximum extent of labling area

440mm

7mm

17mm

7.7mm

Front View (24 port)

Performance Overview

Excel Category 5e Patch Panels are manufactured and tested to the current Category 5 enhanced standards as defined by the EIA/TIA and ISO 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

Performance / Specification Table

Specification	Category 5e
Wiring Specification	T568A & T568B
Port Density	24Ports Per 1U (44mm)
Dimensions	480mm wide x 102mm deep x 44mm high
RJ45 Jack	Min life 700 insertions
RJ45 Jack	50 Micro-inch Gold Plated contact pins
IDC Contacts	Suitable for Krone/110 Termination. Maximum 100
Contact compatibility	22 to 26AWG Solid & 24AWG Stranded wires
Operating temperature range:	-10˚C to 60˚C
Storage temperature range:	-40˚C to 68˚C
Panel Material:	SPCC - Black Powder Painting Coat Finish
Shielded Case:	Copper C2680
Jack Housing:	PBT PA-66 High Impact UL94V-0 Thermoplastic, 25% Glass Fibre Filled
IDC Plastic:	Polycarbonate High Impact UL94V-0 Thermoplastic
NEXT at 100MHz	Category 5e 40dB @100MHz (Power Sum)
FEXT at 100MHz	Category 5e 32dB @100MHz (Power Sum)

Part Number Information

Part No.	Description
100-736	Category 5e 1U 24 Port Screened Patch Panel - Black

Related Products

Part No.	Description
35-480	Punchdown tool, BT reference 2A

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

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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