

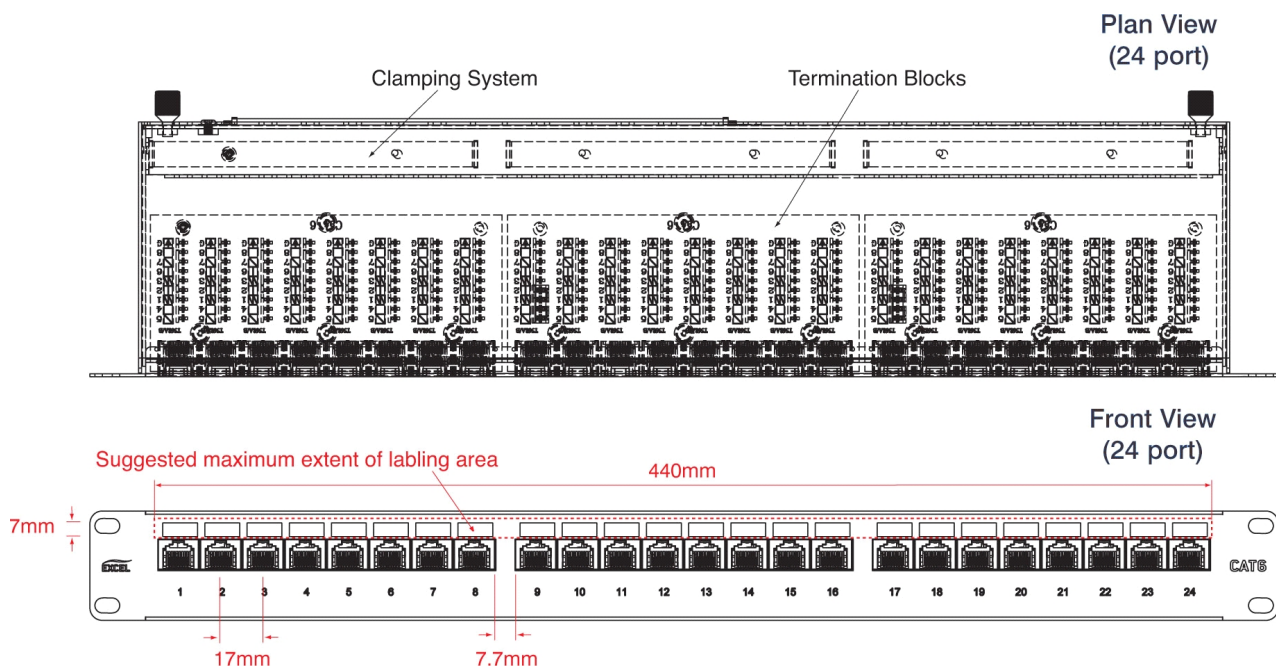
- X 25 Year System Warranty
- X Category 6 compliant
- X Supports Gigabit Ethernet

## Features

- 25 Year System Warranty
- Supports Gigabit Ethernet
- LSA Style Termination Blocks
- Category 6 compliant
- Backward Compatible with Category 5e
- No.3 cabling system by market share, as reported by BSRIA

## Product Overview

Excel Category 6 patch panels are manufactured and tested to the Category 6 performance standards defined by the TIA, ISO and EN standards bodies. A range of performance characteristics are tested up to 250MHz including return loss, attenuation and near and far end crosstalk (NEXT and FEXT) for which both worst case and power sum tests are completed. Actual performance far exceeds the required standard - when tested in isolation and in circuit - resulting in significant headroom for even the most demanding of applications. As well as providing link and channel compliance - when installed with Excel category 6 components - with the aforementioned specification - the panel is also backward compatible with Category 5e components.



## Performance / Specification Table

Specification:	Category 6 compliant
Wiring Specification:	T568A & T568B
Port Density:	24 ports per 1U (44mm)
Dimensions:	479mm wide x 102.5mm deep x 44mm high
RJ45 Jack:	Min life expectancy 700 insertions
RJ45 Jack:	50 micron gold plated contact pins
IDC Contacts:	LSA style, maximum 100 reterminations
Contact compatibility	22 to 26 <sup>A</sup> WG 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
NEXT at 250MHz	SPEC - 33.14dB (in channel worst pair) Actual - 38.87dB (in channel worst pair)
FEXT at 250MHz	SPEC - 15.33dB (in channel worst pair) Actual - 22.29dB (in channel worst pair)

## Performance Overview

Excel Category 6 patch leads are manufactured and tested to the latest specification requirements as defined by the relevant standards bodies. A range of performance characteristics are tested upto 250MHz including return loss, attenuation and near and far end crosstalk (NEXT and FEXT) for which both worst case and power sum tests are completed. Actual performance far exceeds the required standard - when tested in isolation and in circuit - resulting in significant headroom for even the most demanding of applications.

As well as providing link and channel compliance - when installed with Excel Category 6 components - with the aforementioned specification - the panel is also backward compatible with Category 5 and 5e components.

The Excel range of Category 6 LSOH Patch Cords have been tested and certified to carry the ETL Verification Mark. Copies of the ETL Certificate of Conformance are available on [www.excel-networking.com](http://www.excel-networking.com)

## Typical Applications

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

## Part Number Information

Part No.	Description
100-013	Category 6 Screened Right Angle Patch Panel, 24 port, 1U, 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.



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](mailto:sales@excel-networking.com)

**excel**  
without compromise.