Excel Cat6 48 Port Unscreened Patch Panel 1U LSA Punch Down Right Angled Black

Part Code: 100-394

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Main Features

- Available in 24 or 48 ports
- Easy to use slide label system
- Power Sum Compliant
- Backwards compatible
- LSA Style Termination Blocks
- T568A/B Wiring Configuration

Product Overview

Excel Cat6 48 Port Unscreened Patch Panel 1U LSA Punch Down Right Angled Black, available as part of a range of Cat6 Patch Panels in stock at Mayflex.
Excel Category 6 Unscreened Patch Panels have been designed to meet or exceed the latest ISO and TIA requirements for category 6 compliance. Ease of installation is assured with built in rear cable management at a 90˚ angle to the panel facia.

Each panel has a screen-printed labelling field positioned above each port, included with the panel is a pre-printed self-adhesive labelling sheet, pre-numbered 1 96, for fast and easy labelling on site.

Termination can be made using LSA compatible tools, and cable tie bridges are positioned between the IDC blocks to relieve cable

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Product Specifications

Feature	Values
Number of ports – loaded	**48**
Type of connector	**RJ45 8(8)**
Shielded	**no**
Category	**6**
Connection type	**LSA**
Number of rack units (RU)	**1**
Colour	**Black**
Mounting method	**482.6 mm (19 inch) mounting**
Height	**44 mm**
Width	**480 mm**
Depth	**96 mm**

Additional specifications

Features	Values
Wiring Specification	**T568A/T568B**
RJ45 Jack Min life expectancy	**750 insertions**
RJ45 Jack contact	**50 microinch gold over 100 microinch nickel undercoat**
IDC Contacts Max life expectancy	**200 terminations**
Contact compatibility	**22 to 26AWG**

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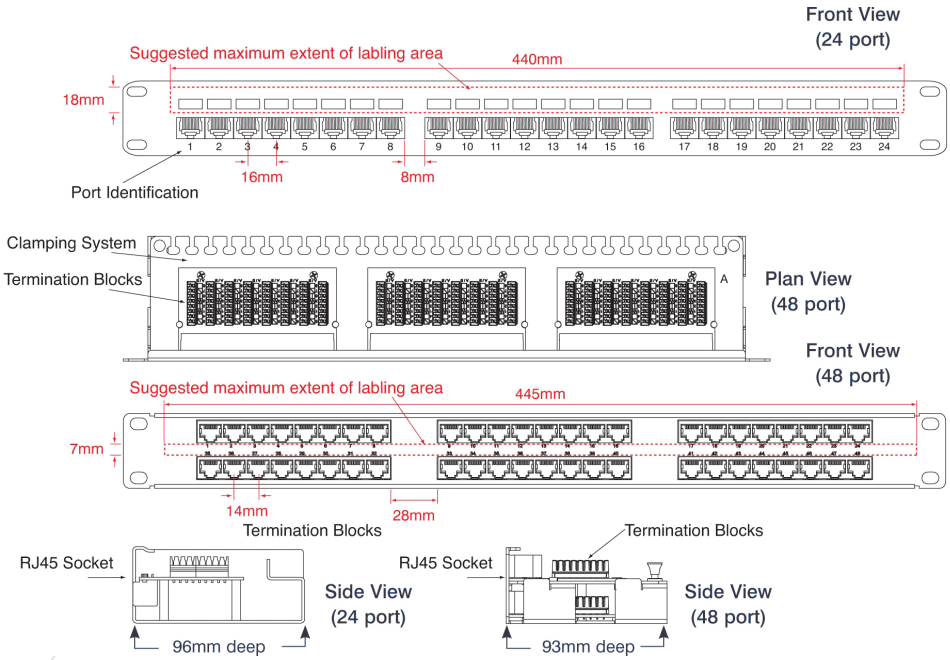
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Operating Temperature Range	**-10° to 60°C**
Storage Temperature Range	**-40° to 68°C**
Relative Humidity	**10% to 90%**
Panel material	**SPCC**
Jack housing material	**PBT, 30% glass fiber filled**
IDC material	**Phosphor bronze, tin over nickel undercoat**

Product drawing



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Standards

Applicable standard	Detail
ISO/IEC 11801-1:2017	Information technology - Generic cabling for customer premises: Part 1 General Requirements
IEC 61156-5:2009+AMD1:2012 CSV	Multicore and symmetrical pair/quad cables for digital communications - Part 5: Symmetrical pair/quad cables with transmission characteristics up to 1 000 MHz - Horizontal floor wiring - Sectional specification
EN 50173-1:2018	Information technology. Generic cabling systems - General requirements
EN 50173-2:2007 + A1:2010	Information technology. Generic cabling systems - Office premises
ANSI/TIA 568-2.D	Balanced Twisted-Pair Telecommunications Cabling and Components Standards
ANSI/EIA-310-E	Electronic Industries Association standard for horizontal spacing, vertical hole spacing, rack opening and front panel width
Directive 2011/65/EU (RoHS II)	Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment — compliant. Applies within EU member states).
Directive (EU) 2015/863 (RoHS III)	Amending Directive 2011/65/EU to add four phthalates (DEHP, BBP, DBP, DIBP) to Annex II — compliant.
Directive 2008/98/EC (WFD)	Waste Framework Directive — compliant. Implemented in the UK through the Waste (England and Wales) Regulations 2011 (SI 2011 No. 988).
ECHA SCIP Database	Compliant; product does not contain SVHCs (Substances of Very High Concern) as defined under REACH Article 33(1). Submission obligations met under EU REACH and UK REACH.
Regulation (EU) 2019/1021 (POPs)	EU Regulation on Persistent Organic Pollutants — compliant. For Great Britain, compliance is aligned with the Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020 (SI 2020 No. 1355).

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UK SI 2012 No. 3032	The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (UK RoHS) — compliant for Great Britain. Retained EU law, as amended by the Product Safety and Metrology (Amendment etc.) (EU Exit) Regulations 2019.

Part Code Table

Part Code	Description
100-302	**Excel Cat6 24 Port Unscreened Patch Panel 1U LSA Punch Down Right Angled Black**
100-394	**Excel Cat6 48 Port Unscreened Patch Panel 1U LSA Punch Down Right Angled Black**

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