Excel Cat5e 48 Port Unscreened Patch Panel Right-Angled 1U LSA Punch Down Black

Part Code: 100-497

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Main Features

- Category 5e
- Supports Gigabit Ethernet
- Cage nuts and mini cable ties included
- LSA Style Termination Blocks
- T568A/B Wiring Configuration
- 25 Year system warranty

Product Overview

Excel Category 5e Patch Panels comply with the currrent standards for enhanced Category 5. Ease of installation is assured with built in rear cable management at a 90˚ angle to the panel facia.

The 48 Port Patch Panel features a removable 'upper deck' arrangement to ensure ease of termination of the cables. This tray also holds the LSA termination blocks. Cage nuts and mini cable ties are included with each panel.

Product Specifications

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Feature	Values
Number of ports – loaded	**48**
Type of connector	**RJ45 8(8)**
Shielded	**no**
Category	**5E**
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**

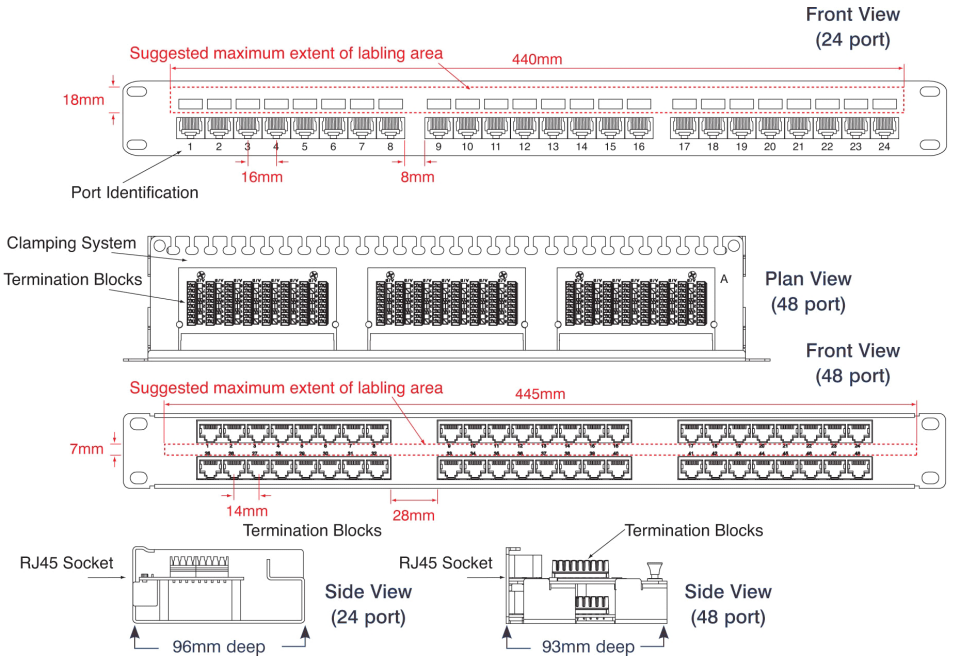
Additional specifications

Features	Values
Wiring Specification	**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**
Operating Temperature Range	**-10°C to 60°C**
Storage Temperature Range	**-40°C to 68°C**
Relative Humidity	**10% to 90%**

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Panel material	**SPCC**
Jack housing material	**PBT**
IDC material	**Phosphor bronze, tin over nickel undercoat**

Product drawing



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

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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).
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.

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Part Code Table

Part Code	Description
100-460	**Excel Cat5e 24 Port Unscreened Patch Panel Right-Angled 1U Black**
100-497	**Excel Cat5e 48 Port Unscreened Patch Panel Right-Angled 1U LSA Punch Down Black**

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