Excel Cat6 48 Port Unscreened Patch Panel 2U LSA Punch Down Cable Management Black

Part Code: 100-306

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CIBSE TM65 Embodied Carbon: 0.034 kg CO2e



Main Features

- Available in 24 or 48 ports
- Rear cable management
- Cage nuts and mini cable ties included
- Backwards compatible
- LSA Style Termination Blocks
- T568A/B Wiring Configuration

Product Overview

Excel Cat6 48 Port Unscreened Patch Panel 2U LSA Punch Down Cable Management 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.
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 stress. Each panel consists of a number of 8 way blocks of RJ45 sockets, housed in a high quality plastic moulding.

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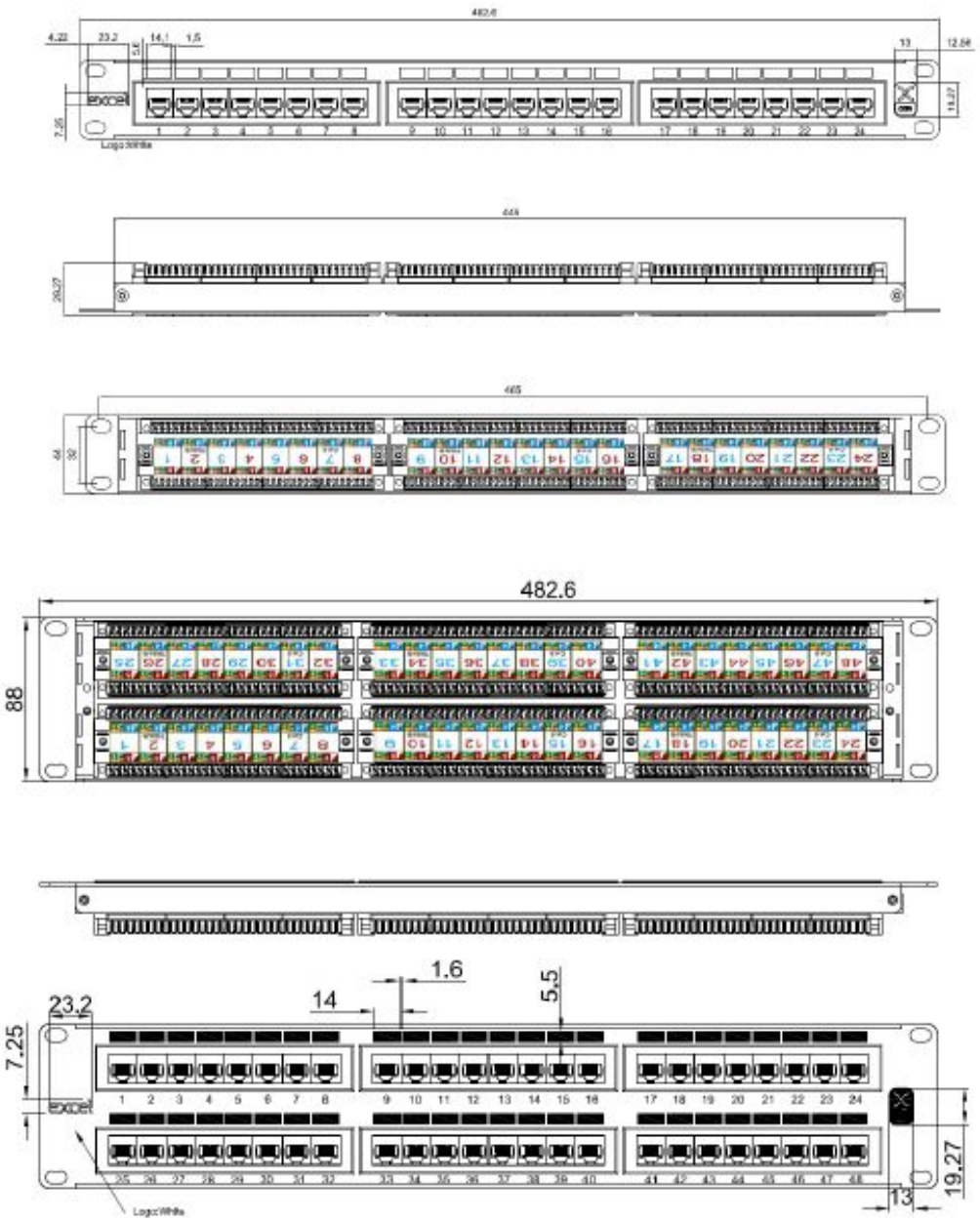
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Product Specifications

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)	**2**
Colour	**Black**
Mounting method	**482.6 mm (19 inch) mounting**
Height	**88 mm**
Width	**480 mm**
Depth	**33 mm**

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Product drawing



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

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
100-304	**Excel Cat6 24 Port Unscreened Patch Panel 1U LSA Punch Down Cable Management Black**
100-306	**Excel Cat6 48 Port Unscreened Patch Panel 2U LSA Punch Down Cable Management Black**

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