Excel Cat5e 24 Port Unscreened Through Coupler Patch Panel 1U Black

Part Code: 100-309

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CIBSE TM65 Embodied Carbon: 8.986 kg CO2e



Main Features

- Category 5e
- Power Sum Compliant
- Through coupler
- Supports Gigabit Ethernet
- RJ45 Ports front and rear
- 25 Year system warranty

Product Overview

Excel Category 5e Through Coupler Patch Panels offers RJ45 to RJ45 jack connectivity between the front and rear of the patch panel. The patch panel is ideal for providing a cross connect for network equipment with the simple fitting of patch cords rather than switch link looms.

Each panel has the port number screen printed below the port with an area to add the port identification above. The design lends itself for the easy application of a bespoke engraved label above and below the ports to suit the installation requirement. Cage nuts and machine screws are included with each panel.

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Product Specifications

Feature	Values
Number of ports – loaded	**24**
Type of connector	**RJ45 8(8)**
Shielded	**no**
Category	**5E**
Number of rack units (RU)	**1**
Colour	**Black**
Mounting method	**482.6 mm (19 inch) mounting**
Height	**44 mm**
Width	**480 mm**
Depth	**29.4 mm**

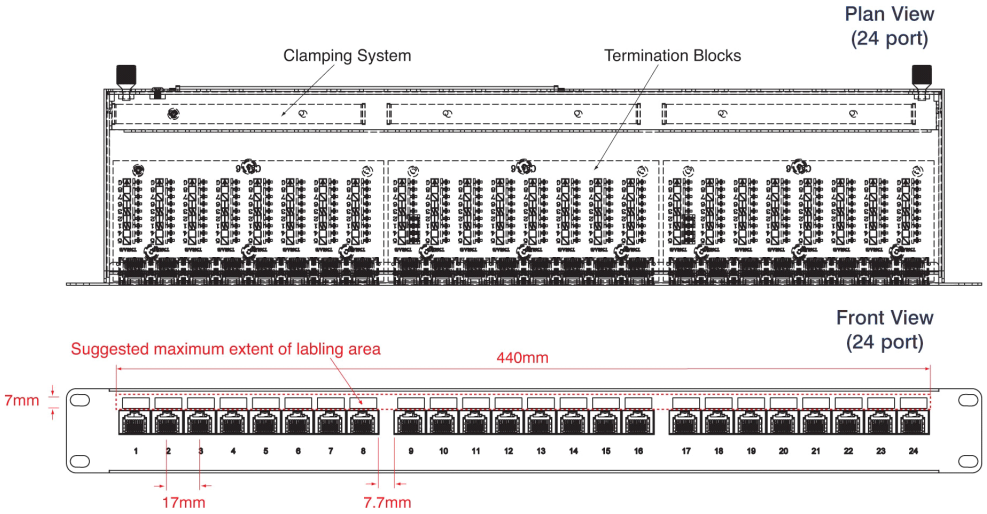
Additional specifications

Features	Values
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 24 AWG**
Operating Temperature Range	**-10°C to 60°C**
Storage Temperature Range	**-40°C to 68°C**
Relative Humidity	**10% to 90%**
Panel material	**SPCC**

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Jack housing material	**PBT, 30% glass fiber filled**
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
EN 50173-1:2018	Information technology. Generic cabling systems - General requirements
EN 50173-2:2007 + A1:2010	Information technology. Generic cabling systems - Office premises

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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.

Part Code Table

Part Code	Description
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