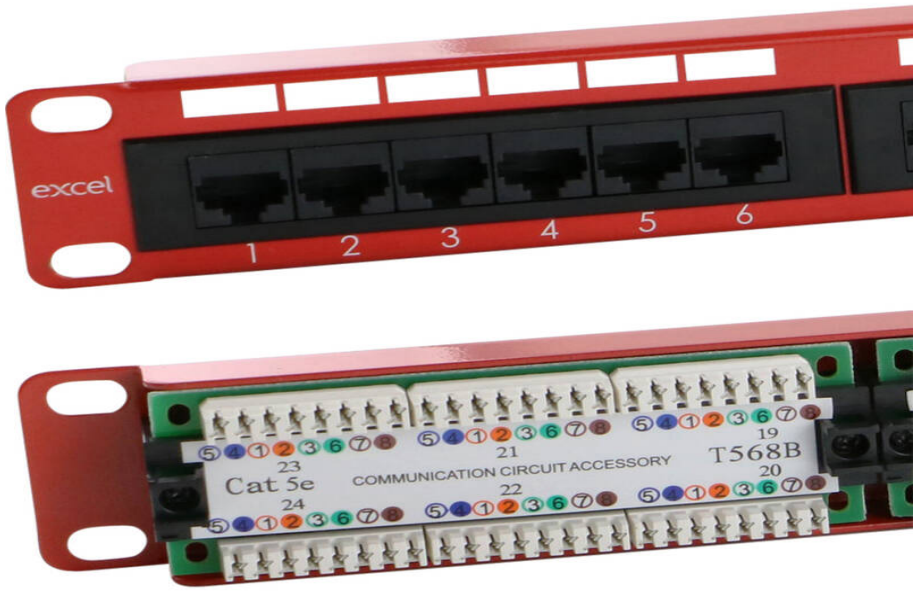
Excel Cat5e 24 Port Unscreened Patch Panel 1U LSA Punch Down Red

Part Code: 100-451

sales@excel-networking.com
excel-networking.com

CIBSE TM65 Embodied Carbon: 5.261 kg CO2e



Main Features

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

Product Overview

Excel Category 5e Patch Panels comply with the current standards for enhanced Category 5. Each panel offers a choice of labelling with the option to use the screen printed fields on the panel facia or the slide label system or pre printed 1□96 labelling scheme which is enclosed with each panel.

Ease of installation is assured with ample rear cable management positions and LSA IDC blocks. A choice of port density - 16 & 24 Port 1U, 48 Port 2U (100-724 = 3U) - is available to suit all applications. Each panel is available in a choice of colours to allow identification of either applications, departments or services. Cage nuts and mini cable ties are included with each panel.

This data sheet was generated at 3:11am 17th November 2026 and is subject to change at any time.

Excel Cat5e 24 Port Unscreened Patch Panel 1U LSA Punch Down Red

Part Code: 100-451

sales@excel-networking.com
excel-networking.com

Product Specifications

Feature	Values
Number of ports – loaded	**24**
Type of connector	**RJ45 8(8)**
Shielded	**no**
Category	**5E**
Connection type	**LSA**
Number of rack units (RU)	**1**
Colour	**Red**
Mounting method	**482.6 mm (19 inch) mounting**
Height	**44 mm**
Width	**480 mm**
Depth	**33 mm**

Additional specifications

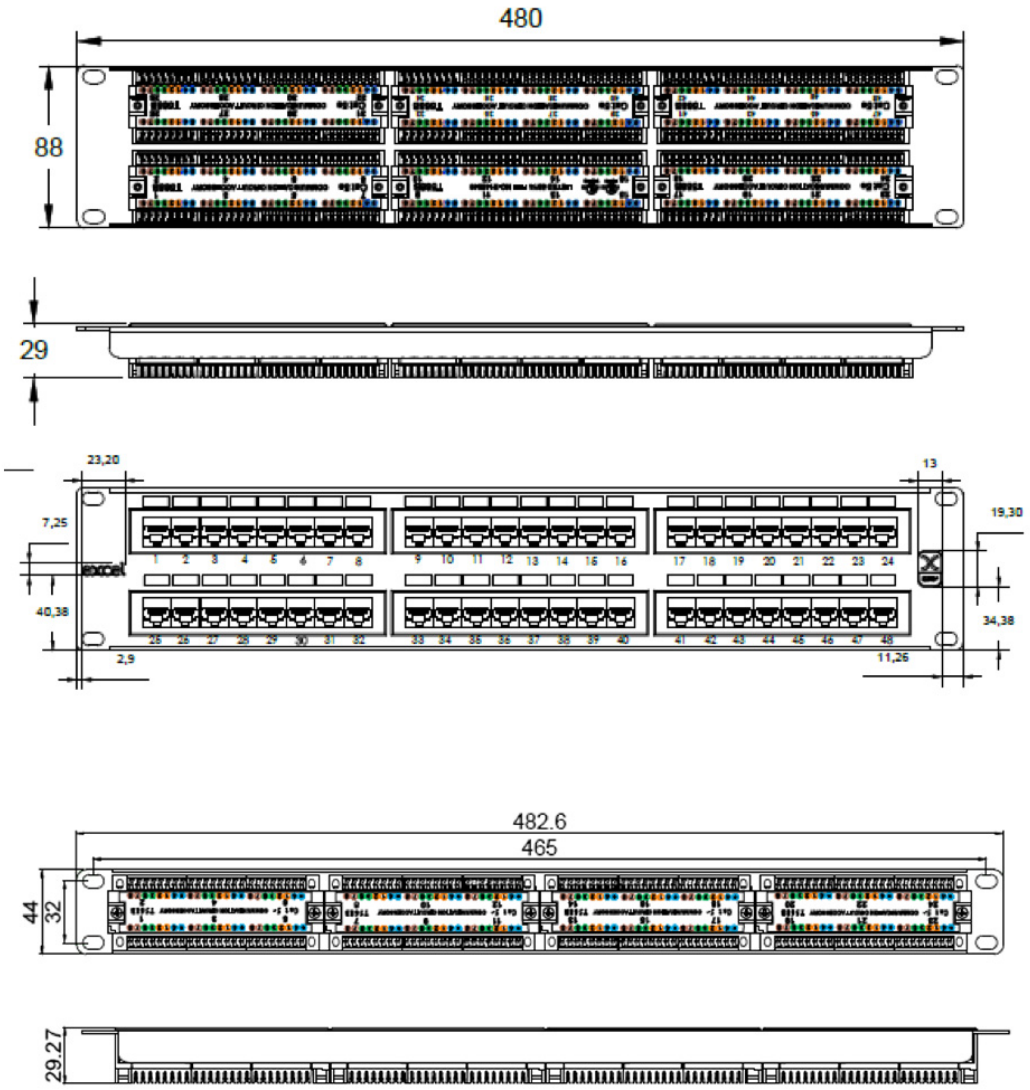
Features	Values
Wiring Specification	**T568B**
RJ45 Jack Min life expectancy	**750 insertions**
RJ45 Jack contact	**50 microinch gold over 100 microinch nickel undercoat**
IDC Contacts Max life expectancy	**200 terminations**
Contact compatibility	**22 to 26AWG**
Operating Temperature Range	**-10°C to 60°C**
Storage Temperature Range	**-40°C to 68°C**

This data sheet was generated at 3:11am 17th November 2026 and is subject to change at any time.

Relative Humidity	**10% to 90%**
Panel material	**SPCC**
Frame material	**ABS**
Jack housing material	**PBT**
IDC material	**Phosphor bronze, tin over nickel undercoat**

This data sheet was generated at 3:11am 17th November 2026 and is subject to change at any time.

Product drawing



This data sheet was generated at 3:11am 17th November 2026 and is subject to change at any time.

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).

This data sheet was generated at 3:11am 17th November 2026 and is subject to change at any time.

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
100-450	**Excel Cat5e 24 Port Unscreened Patch Panel 1U LSA Punch Down Blue**
100-451	**Excel Cat5e 24 Port Unscreened Patch Panel 1U LSA Punch Down Red**
100-452	**Excel Cat5e 24 Port Unscreened Patch Panel 1U LSA Punch Down Green**
100-453	**Excel Category 5e Unscreened Patch Panel - 48-port, 2U - Blue**
100-454	**Excel Category 5e Unscreened Patch Panel - 48-port, 2U - Red**
100-455	**Excel Category 5e Unscreened Patch Panel - 48-port, 2U - Green**
100-722	**Excel Category 5e Unscreened Patch Panel - 32-port, 2U - Black**
100-724	**Excel Cat5e 48 Port Unscreened Patch Panel 3U LSA Punch Down Black**
100-726	**Excel Cat5e 24 Port Unscreened Patch Panel 1U LSA Punch Down Black**
100-728	**Excel Cat5e 48 Port Unscreened Patch Panel 2U LSA Punch Down Black**
100-748	**Excel Cat5e 24 Port Unscreened Patch Panel 1U LSA Punch Down Beige**

This data sheet was generated at 3:11am 17th November 2026 and is subject to change at any time.