# Excel Plus Cat6 24 Port Unscreened Patch Panel 1U LSA Punch Down Black

**Part Code: 100-372**

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CIBSE TM65 Embodied Carbon: 18.204 kg CO2e




## Main Features

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

## Product Overview

Excel Plus Cat6 24 Port Unscreened Patch Panel 1U LSA Punch Down Black, available as part of a range of Cat6 Patch Panels in stock at Mayflex.
The Excel Plus Category 6 Unscreened Twisted Pair Patch Panels are available in 24 & 48 Port versions to accommodate installation requirements. Each panel consists of a number of 8 way blocks of RJ45 sockets, housed in a high quality plastic moulding. To the front of the panel this moulding contains the new easy to use slide label system.

Each block of 8 sockets has its own label which can be removed from either side of the covered label field. The label strip itself is protected by a clear, tough plastic insert.

Termination can be made using LSA compatible tooling, cable tie bridges are positioned between the IDC blocks to relieve cable stress.


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Installation can be further enhanced by use of the optional rear cable management tray which is attached quickly and easily to the panel without the need for fixings.

## Product Specifications

| Feature | Values |
|---|---|
| Number of ports – loaded | **24** |
| 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 | **482 mm** |
| Depth | **29.7 mm** |

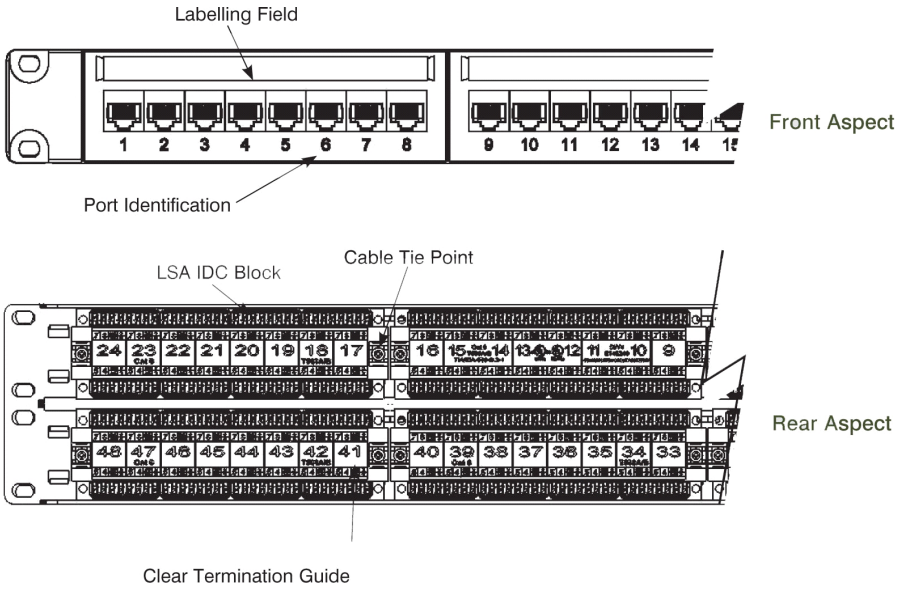
## Additional specifications

| 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** |


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|---|---|
| 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** |
| Frame material | **ABS** |
| 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 |
|---|---|
| 100-372 | **Excel Plus Cat6 24 Port Unscreened Patch Panel 1U LSA Punch Down Black** |
| 100-380 | **Excel Plus Cat6 48 Port Unscreened Patch Panel 2U LSA Punch Down Black** |


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