

# Excel Enbeam 24 Way Multimode OM3 Fibre Optic Panel

## 24 LC Quad (96 Fibre) Aqua

**excel**  
without compromise.

Part Code: 233-489

[sales@excel-networking.com](mailto:sales@excel-networking.com)  
[excel-networking.com](http://excel-networking.com)



### Main Features

- / Management and fixing kit included
- / Port identification numbers
- / Recessed adaptors
- / Up to 24 duplex adaptors per patch panel
- / Sliding drawer on ball bearing runners
- / Special configurations made to order

### Product Overview

The Excel range of SC patch panels are sliding drawer "tray style" housings suitable for either direct termination or splicing of up to 48 fibre using SC duplex or 96 when using LC Quad connections in a 1U space. Each panel is manufactured from a mix of 1 mm thick steel with a powder coated finish and a high-density Polycarbonate sliding tray, offering a lightweight, strong durable unit. To the front of the patch panel the specified number of duplex/quad adaptors are loaded from left to right. Each panel utilises colour coded adaptors, beige, aqua and violet for multimode, blue for single mode and green for SM APC. Each duplex / Quad adaptor accommodates two to 4 terminated fibres. This design delivers lower emissions and less reliance on mineral extraction, while achieving a 36% decrease in embedded carbon compared with the metal version. The lighter construction also minimises floor loading...

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### Product Specifications

| Feature                                  | Values                      |
|------------------------------------------|-----------------------------|
| Suitable for number of fibre cores       | 96                          |
| Suitable for number of module inserts    | 24                          |
| Loaded with number of couplings/adapters | 24                          |
| With pigtails                            | no                          |
| Fibre type                               | Multi mode 50/125           |
| Fibre class                              | OM3                         |
| APC-type                                 | no                          |
| Type of connector external               | LC-Quad                     |
| Type of connector interior               | LC-Quad                     |
| Colour                                   | Black                       |
| RAL-number                               | 9005                        |
| Mounting method                          | 482.6 mm (19 inch) mounting |
| Number of rack units (RU)                | 1                           |
| Height                                   | 44 mm                       |
| Width                                    | 482 mm                      |
| Depth                                    | 219.5 mm                    |

### Additional specifications

| Feature               | Value         |
|-----------------------|---------------|
| Operating temperature | -40 to +80 °C |
| IP rating             | IP20          |

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|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| Cable entry 20 mm                | 2                                               |
| Cable entry 25 mm                | 2                                               |
| Blown fibre entry                | 8                                               |
| Material                         | Colds rolled steel and polycarbonate            |
| Material thickness               | 1 mm                                            |
| Material coating (metal)         | Powder coating                                  |
| Polycarbonate material thickness | Verious                                         |
| RoHs compliant adaptor           | yes                                             |
| Designed in accordance with      | ISO/IEC 11801, IEC60304,IEC61754, TIA/EIA 568.D |

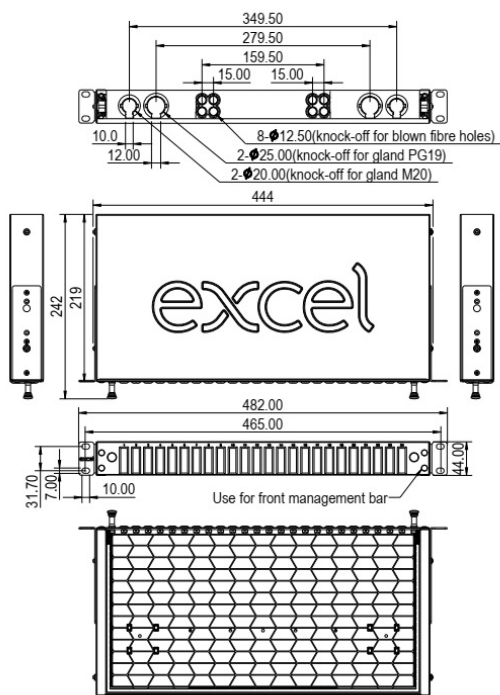
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### Product drawings



### Included accessories

| Accessories               | Quantity |
|---------------------------|----------|
| Cable gland (PG 13.5)     | 1        |
| Cable gland (PG 19)       | 1        |
| Nylon cable tie           | 7        |
| 24 position splice holder | 4        |
| Adjustable cable tie      | 2        |
| Mounting twist tie        | 4        |
| Cage nuts and screws      | (1-Pack) |

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SC duplex blanks

24

## Standards

| Applicable standard                | Detail                                                                                                                                                                                                                                                                   |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                      |
|-----------|----------------------------------------------------------------------------------|
| 233-489   | Excel Enbeam 24 Way Multimode OM3 Fibre Optic Panel 24 LC Quad (96 Fibre) Aqua   |
| 244-489   | Excel Enbeam 24 Way Multimode OM4 Fibre Optic Panel 24 LC Quad (96 Fibre) Violet |