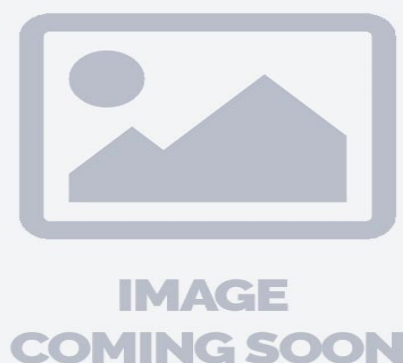


Excel Enbeam 24 Way Multimode OM3 Fibre Optic Panel 6 LC Duplex (12 Fibre) Aqua

Part Code: 233-461

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Main Features

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

Product Overview

The Excel range of LC patch panels are sliding drawer "tray style" housings suitable for either direct termination or splicing of up to 48 when using LC duplex 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 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 adaptor accommodates 2 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 during installation and decreases the overall cabinet weight, improving handling...

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Product Specifications

Feature	Values
Suitable for number of fibre cores	48
Suitable for number of module inserts	24
Loaded with number of couplings/adapters	6
With pigtails	no
Fibre type	Multi mode 50/125
Fibre class	OM3
APC-type	no
Type of connector external	LC-Duplex
Type of connector interior	LC-Duplex
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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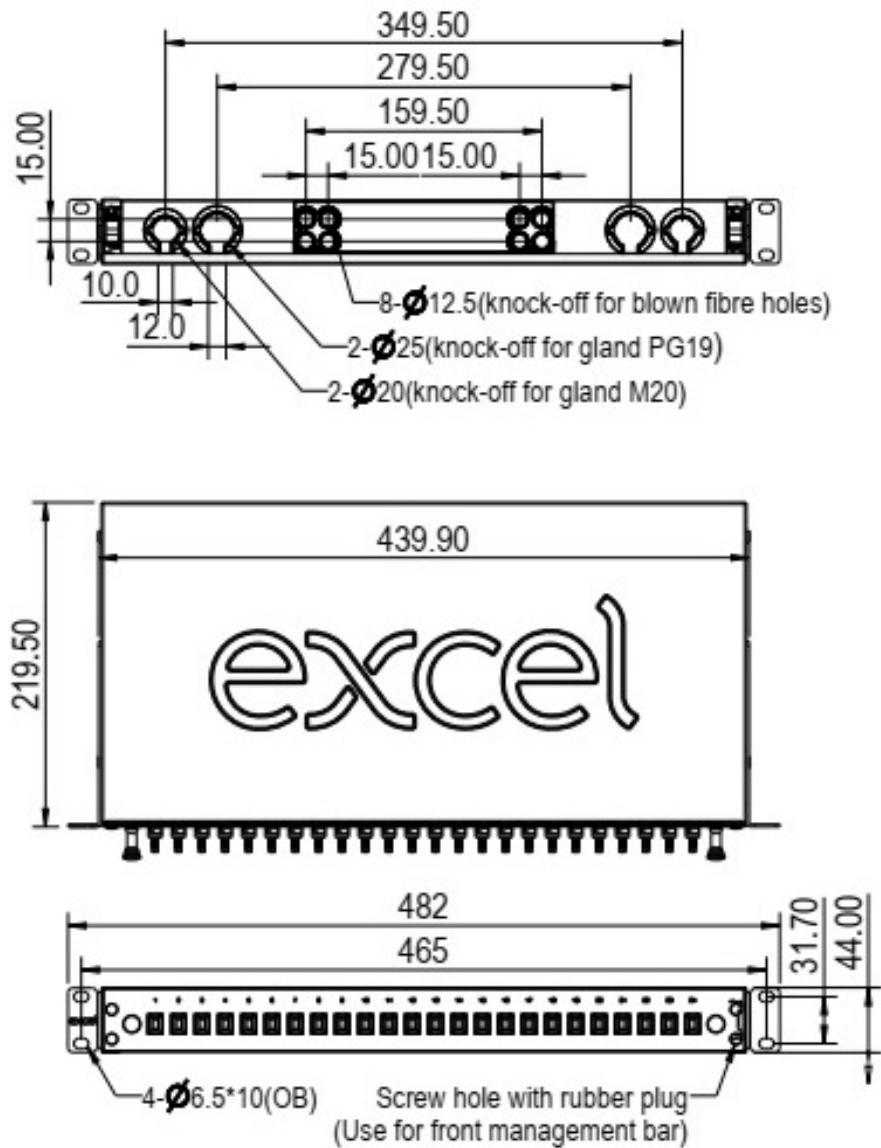
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Product drawing

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LC duplex adaptor
with dust caps

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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)
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

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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
233-460	Excel Enbeam 24 Way Multimode OM3 Fibre Optic Panel 4 LC Duplex (8 Fibre) Aqua
233-461	Excel Enbeam 24 Way Multimode OM3 Fibre Optic Panel 6 LC Duplex (12 Fibre) Aqua
233-462	Excel Enbeam 24 Way Multimode OM3 Fibre Optic Panel 8 LC Duplex (16 Fibre) Aqua
233-464	Excel Enbeam 24 Way Multimode OM3 Fibre Optic Panel 12 LC Duplex (24 Fibre) Aqua
233-466	Excel Enbeam 24 Way Multimode OM3 Fibre Optic Panel 24 LC Duplex (48 Fibre) Aqua
244-460	Excel Enbeam 24 Way Multimode OM4 Fibre Optic Panel 4 LC Duplex (8 Fibre) Violet
244-461	Excel Enbeam 24 Way Multimode OM4 Fibre Optic Panel 6 LC Duplex (12 Fibre) Violet
244-462	Excel Enbeam 24 Way Multimode OM4 Fibre Optic Panel 8 LC Duplex (16 Fibre) Violet
244-464	Excel Enbeam 24 Way Multimode OM4 Fibre Optic Panel 12 LC Duplex (24 Fibre) Violet
244-466	Excel Enbeam 24 Way Multimode OM4 Fibre Optic Panel 24 LC Duplex (48 Fibre) Violet

Excel Enbeam 24 Way Multimode OM3 Fibre Optic Panel 6 LC Duplex (12 Fibre) Aqua



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