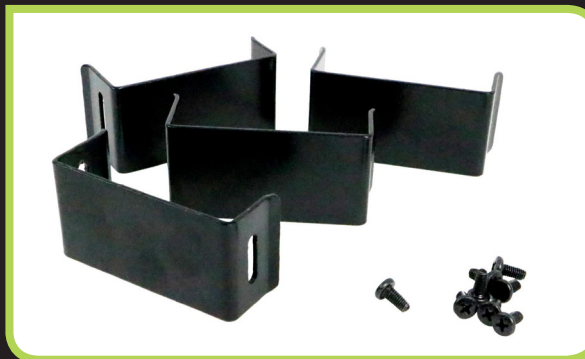
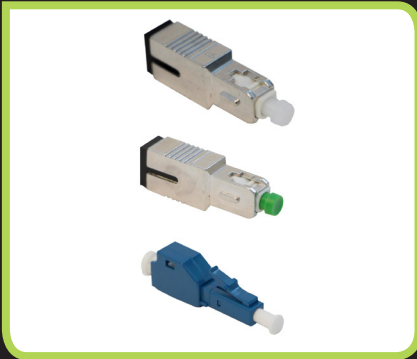
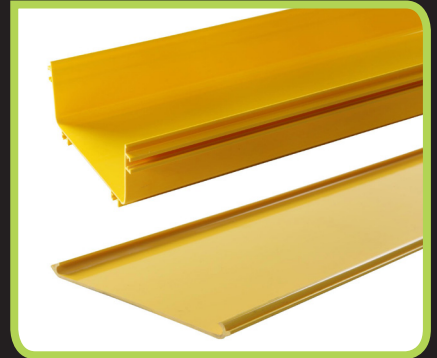


# New Products

# 2017/18



See inside for lots of new products from Excel and contact your local sales representative for price and availability details, or visit our website [www.excel-networking.com](http://www.excel-networking.com) for further information.

[www.excel-networking.com](http://www.excel-networking.com)

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# EXCEL ENBEAM FIBRE (Phase Two)

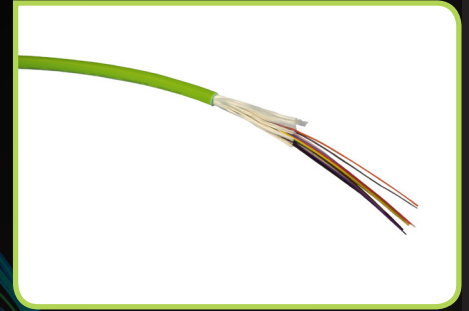
Excel's Enbeam Fibre range has continually evolved to embrace new developments in fibre technology. At the beginning of 2017 Excel completed the first phase of upgrades to its fibre range, which included the overhaul of the brand now denoted by "Enbeam" and an addition of improved fibre products.

Following the success of Phase One, Excel started Phase Two in the autumn, launching more new and improved products to the already comprehensive range.

OM5 Fibre is incorporated into the second phase of Enbeam fibre products. Excel now offers CPR-compliant (Cca) OM5 cable along with a range of complementary accessories available to order online via the website or through the sales teams.

## OM5

OM5 Optical Fibre Cable will support 40, 100 and 400 Gigabit Ethernet channel distances of (i) 440 metres for 40 Gigabit, (ii) 350 metres for 100 Gigabit and (iii) 150 metres for 400 Gigabit applications. The cable construction consists of up to 24 colour coded 900µm tight buffered 50/125µm fibres, covered with a flame retardant LS0H outer sheath. The cable legend includes Euroclass information as standard for clear classification and traceability on CPR-compliance.



“ We are delighted to be able to introduce a host of accessories to complement our OM5 fibre cabling solution. Aside from the patch cords and pigtails, Excel is welcoming a wide array of other accessories, including an extraction tool, MDU boxes, dome enclosures and a fibre duct trunking system, all of which will help to ensure our customer's fibre installations are futureproof and of continued excellent quality. ”

Neil Payne | Excel Product Manager

- 204-600 Enbeam OM5 LC-LC Duplex 50/125 LS0H P/cord 0.5mtr**
- 204-601 Enbeam OM5 LC-LC Duplex 50/125 LS0H P/cord 1mtr**
- 204-602 Enbeam OM5 LC-LC Duplex 50/125 LS0H P/cord 2mtr**
- 204-603 Enbeam OM5 LC-LC Duplex 50/125 LS0H P/cord 3mtr**
- 204-604 Enbeam OM5 LC-LC Duplex 50/125 LS0H P/cord 5mtr**
- 204-605 Enbeam OM5 LC-SC Duplex 50/125 LS0H P/cord 0.5mtr**
- 204-606 Enbeam OM5 LC-SC Duplex 50/125 LS0H P/cord 1mtr**
- 204-607 Enbeam OM5 LC-SC Duplex 50/125 LS0H P/cord 2mtr**
- 204-608 Enbeam OM5 LC-SC Duplex 50/125 LS0H P/cord 3mtr**
- 204-609 Enbeam OM5 LC-SC Duplex 50/125 LS0H P/cord 5mtr**
- 200-677 Enbeam OM5 2m LC 50/125 Pigtail LS0H**
- 200-675 Enbeam OM5 2m SC 50/125 Pigtail LS0H**
- 204-700 Enbeam OM5 4 core Tight Buffered Fibre Optic Cable**
- 204-701 Enbeam OM5 8 core Tight Buffered Fibre Optic Cable**
- 204-702 Enbeam OM5 12 core Tight Buffered Fibre Optic Cable**
- 204-703 Enbeam OM5 16 core Tight Buffered Fibre Optic Cable**
- 204-704 Enbeam OM5 24 core Tight Buffered Fibre Optic Cable**
- 204-705 Enbeam OM5 4 core Loose Tube Fibre Optic Cable**
- 204-706 Enbeam OM5 8 core Loose Tube Fibre Optic Cable**
- 204-707 Enbeam OM5 12 core Loose Tube Fibre Optic Cable**
- 204-708 Enbeam OM5 16 core Loose Tube Fibre Optic Cable**
- 204-709 Enbeam OM5 24 core Loose Tube Fibre Optic Cable**

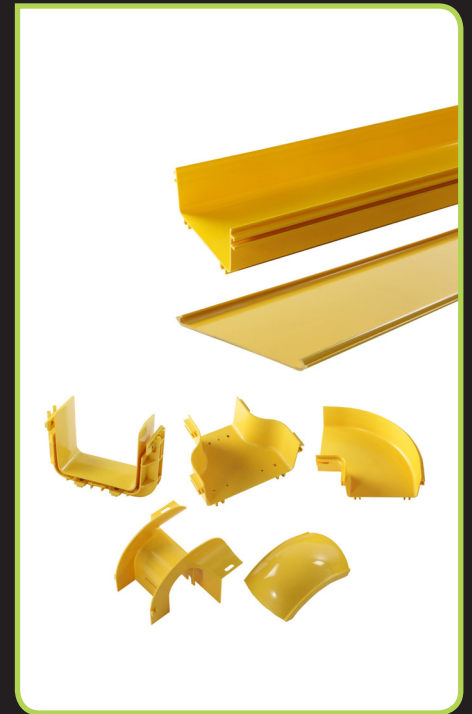
## Fibre Raceway/Trunking

Piecing together in individual segments, Excel's duct trunking system is flexible and suitable for an endless array of installations. A range of unique trunking segments in a variety of bend radii and lengths connect together in an infinite number of ways, allowing users to create a fibre storage solution that is fit for purpose. As each segment of trunking is a standalone piece of plastic, users can simply remove the section of the cover that they need and make changes to the installation without having to disrupt the whole system, which increases the durability and longevity of the system overall. The system is fully enclosed, protecting the fibre from dirt and dust. Knowing that cleanliness is one of the most important factors when installing fibre optic cable, the fact that this trunking system helps to limit the contamination to the fibre makes it a strong contender for users choosing a trunking option.

“ The new duct trunking system has been specifically designed with fibre optical cabling in mind, to protect and route the cables efficiently to ensure their lifespan is prolonged. The flexibility of the product and the ease of installation will help our customers to ensure that any fibre installation is futureproof. ”

Neil Payne | Excel Product Manager

- 460-001 Enbeam 120mm Fibre Cable Tray LS0H
- 460-002 Enbeam 240mm Fibre Cable Tray LS0H
- 460-003 Enbeam 120mm connector LS0H
- 460-004 Enbeam 240mm connector LS0H
- 460-005 Enbeam 240mm to 120mm connector LS0H
- 460-006 Enbeam 120mm horizontal 90 degree bend LS0H
- 460-007 Enbeam 240mm horizontal 90 degree bend LS0H
- 460-008 Enbeam 120mm Internal riser 45 degree LS0H
- 460-009 Enbeam 240mm Internal riser 45 degree LS0H
- 460-010 Enbeam 120mm external riser 45 degree LS0H
- 460-011 Enbeam 240mm external riser 45 degree LS0H
- 460-012 Enbeam 120mm Horizontal 45 degree bend LS0H
- 460-013 Enbeam 240mm Horizontal 45 degree bend LS0H
- 460-014 Enbeam 120mm Horizontal TEE LS0H
- 460-015 Enbeam 240mm Horizontal TEE LS0H
- 460-016 Enbeam 240mm to 120mm reducer TEE LS0H
- 460-017 Enbeam 240mm to 120mm vertical TEE LS0H
- 460-018 Enbeam 120mm Cross Junction LS0H
- 460-019 Enbeam 240mm Cross Junction LS0H
- 460-020 Enbeam 120mm bend Radius Trumpet end LS0H
- 460-021 Enbeam 240mm bend Radius Trumpet end LS0H
- 460-022 Enbeam 120mm End cap LS0H
- 460-023 Enbeam 240mm End cap LS0H
- 460-024 Enbeam universal exit kit with flexible tube LS0H
- 460-025 Enbeam Uni exit kit for trunking drop (120mm) LS0H
- 460-026 Enbeam 120mm Hanging bar
- 460-027 Enbeam 240mm Hanging bar
- 460-028 Enbeam 120mm L bracket
- 460-029 Enbeam 240mm L bracket
- 460-030 Enbeam 120mm top stand
- 460-031 Enbeam 240mm top stand
- 460-032 Enbeam 120mm trunking cover LS0H
- 460-033 Enbeam 240mm trunking cover LS0H
- 460-034 Enbeam 120mm 90Degree elbow cover LS0H
- 460-035 Enbeam 240mm 90Degree elbow cover LS0H
- 460-036 Enbeam 120mm internal 45 bend cover LS0H
- 460-037 Enbeam 240mm internal 45 bend cover LS0H
- 460-038 Enbeam 120mm external 45 bend cover LS0H
- 460-039 Enbeam 240mm external 45 bend cover LS0H
- 460-040 Enbeam 120mm Horizontal 45 degree bend cover LS0H
- 460-041 Enbeam 240mm Horizontal 45 degree bend cover LS0H
- 460-042 Enbeam 120mm Horizontal TEE cover LS0H
- 460-043 Enbeam 240mm Horizontal TEE cover LS0H
- 460-044 Enbeam 240mm to 120mm reducer TEE cover LS0H
- 460-045 Enbeam 240mm to 120mm vertical TEE cover LS0H
- 460-046 Enbeam 120mm Cross Junction cover LS0H
- 460-047 Enbeam 240mm Cross Junction cover LS0H
- 460-048 Enbeam 120mm Fibre Cable Tray UL94 V-0 PVC
- 460-049 Enbeam 240mm Fibre Cable Tray UL94 V-0 PVC
- 460-050 Enbeam 120mm trunking cover UL94 V-0 PVC
- 460-051 Enbeam 240mm trunking cover UL94 V-0 PVC
- 460-052 Enbeam 240mm to 120mm connector cover LS0H
- 460-053 Enbeam 120mm Hanging set
- 460-054 Enbeam 240mm Hanging set
- 460-055 Enbeam 120mm L bracket support
- 460-056 Enbeam 240mm L bracket support



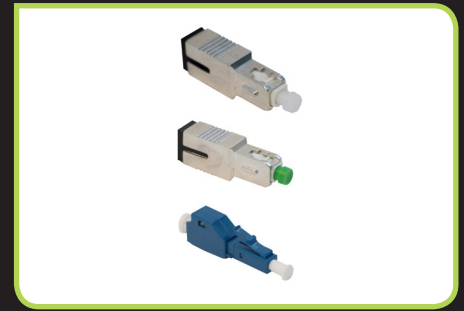
## Attenuators

The Excel Enbeam Fixed value attenuators are used to match signal power to receiver dynamic range in optical networks. The Excel range of singlemode high performance devices are designed to give accurate attenuation over a wide range of wavelengths. The plug type configuration allows easy to use functionality 'straight out of the box'. This allows connection directly to the fibre patch cord, for insertion onto the adaptor.

A = Angled

- 208-550** Enbeam SC singlemode 1db attenuator
- 208-551** Enbeam SC singlemode 2db attenuator
- 208-552** Enbeam SC singlemode 5db attenuator
- 208-553** Enbeam SC singlemode 10db attenuator
- 208-554** Enbeam SC singlemode 15db attenuator
- 208-555** Enbeam SC singlemode 20db attenuator
- 208-556** Enbeam SCA singlemode 1db attenuator
- 208-557** Enbeam SCA singlemode 2db attenuator
- 208-558** Enbeam SCA singlemode 5db attenuator
- 208-559** Enbeam SCA singlemode 10db attenuator
- 208-560** Enbeam SCA singlemode 15db attenuator
- 208-561** Enbeam SCA singlemode 20db attenuator

- 208-562** Enbeam LC singlemode 1db attenuator
- 208-563** Enbeam LC singlemode 2db attenuator
- 208-564** Enbeam LC singlemode 5db attenuator
- 208-565** Enbeam LC singlemode 10db attenuator
- 208-566** Enbeam LC singlemode 15db attenuator
- 208-567** Enbeam LC singlemode 20db attenuator
- 208-568** Enbeam LCA singlemode 1db attenuator
- 208-569** Enbeam LCA singlemode 2db attenuator
- 208-570** Enbeam LCA singlemode 5db attenuator
- 208-571** Enbeam LCA singlemode 10db attenuator
- 208-572** Enbeam LCA singlemode 15db attenuator
- 208-573** Enbeam LCA singlemode 20db attenuator



## Breakout Kit

The Excel Enbeam 48 Fibre breakout kit allows the distribution of multi core cable via flexible conduit routes to multiple termination locations. The flexible conduit offers protection to sub units as well as tight buffered fibre.

- 208-170** Enbeam 48 Fibre Breakout Kit
- 208-171** Enbeam 144 Fibre Breakout Kit



## Dome Enclosures

The Excel Enbeam Dome enclosure allows up to 144 fibres to be installed using compression glands to seal the unit, allowing quick and simple installation methods, without the need for specialist tools. Its IP68 rating allows the unit to be externally mounted on walls, pole or pit applications whilst retaining its performance capability.

- 208-500** Enbeam 48 Fibre dome enclosure
- 208-501** Enbeam 72 Fibre dome enclosure
- 208-502** Enbeam 96 Fibre dome enclosure
- 208-503** Enbeam 144 Fibre dome enclosure



## Tools

The Excel Enbeam fibre extraction tool has been designed to enable quick and easy removal of adaptors in the Enbeam range of Panels.

- 208-172** Enbeam Adaptor Extraction Tool



## FTTH

The Excel Enbeam FTTH Surface mount box has been designed for applications such as Fibre to the Home or Fibre to the Desk. This Wall outlet can also be fitted with a DIN rail mounting plate for installations requiring DIN mounting capability.

- 200-442 Enbeam FTTH DIN Rail Mounting Bkt for 200-448/9**
- 200-446 Enbeam FTTH Outlet up to 4 Fibre Unloaded**
- 200-447 Enbeam FTTH Outlet Loaded 2xSC/APC SPX Adaptors**
- 200-448 Enbeam FTTH Outlet up to 8 Fibre Unloaded**
- 200-449 Enbeam FTTH Outlet Loaded 4xSC/APC SPX Adaptors**



The Excel Enbeam MDU box terminates up to 3 optical cables offering a designated space for splitters and up to 48 fusion splices. Housing up to 24 adaptors SC simplex for internal or external applications. Offering a cost-effective solution within the FTTX network.

- 208-173 Enbeam MDU Box up to 48 Fibre Unloaded**
- 208-174 Enbeam MDU Box Loaded 12 x SC/APC SPX Adaptors**
- 208-175 Enbeam MDU Box Loaded 24 x SC/APC SPX Adaptors**
- 208-176 Enbeam MDU Box Loaded 12 x SC/OS2 SPX Adaptors**
- 208-177 Enbeam MDU Box Loaded 24 x SC/OS2 SPX Adaptors**
- 208-178 Enbeam MDU Box Loaded 12 x SC/OM3 SPX Adaptors**
- 208-179 Enbeam MDU Box Loaded 24 x SC/OM3 SPX Adaptors**
- 208-180 Enbeam MDU Box Loaded 12 x SC/OM4 SPX Adaptors**
- 208-181 Enbeam MDU Box Loaded 24 x SC/OM4 SPX Adaptors**



## Shuttered Adaptors

Excel Enbeam fibre optic LC flangeless Shuttered adaptor has been designed and constructed to allow fitting in the bulkheads without the need for screws or nuts. The housings are manufactured from a range of plastics and metals selected to provide the optimum performance. The shutter protects the user from the laser source, whilst also protecting the connection from dust.

- 201-143 Enbeam LC DX Shuttered Adaptor Aqua for 203-55\***
- 201-144 Enbeam LC DX Shuttered Adaptor Violet for 204-55\***



## EXCEL ENVIRON ACCESSORIES

### Baying Kit

The Excel Environ CR/ER-SR baying kit has been designed to enable the baying of the CR/ER Series to the SR Series of cabinets.

- 542-248-BK Excel SR-ER/CR Baying Kit - Black**
- 542-248-GW Excel SR-ER/CR Baying Kit - Grey/White**



# EXCEL ENVIRON

## Co-Location Racks

The Environ CL Co-Location Rack takes the existing qualities of the Environ range but with the added benefit of having secure, lockable compartments. The CL series is designed specifically for applications where equipment security is a priority or where space is being used by different enterprise departments or clients with a shared facility. The CL series is perfect for Cloud deployments and co-location data centre facilities.



- Available in 42U and 47U heights
- 1000 mm deep
- Choice of 2 or 4 compartments
- Grey White or Black colour
- Jacking feet included
- Heavy duty lockable casters included
- 19" profiles marked with U height position
- Top and Bottom cable entry to each compartment
- Cable entry secure to each compartment
- Baying kit included

- 600 kg load capacity - total
- Brush strip cable entry in roof and base
- Jacking feet and casters can be fitted simultaneously
- Galvanised steel 19" mounting profiles
- 19" profile depth markings for easy adjustment
- Removable side panels
- Swing handle combination locks on all doors, with key lock
- Unique keys on all side panels

### 2 Compartment

#### 545-4261-2C-VVBM-BK

Excel CL 42U 600W 1000D-2C Colo Rack Black

#### 545-4761-2C-VVBM-BK

Excel CL 47U 600W 1000D-2C Colo Rack Black

#### 545-4281-2C-VVBM-BK

Excel CL 42U 800W 1000D-2C Colo Rack Black

#### 545-4781-2C-VVBM-BK

Excel CL 47U 800W 1000D-2C Colo Rack Black

#### 545-4261-2C-VVBM-GW

Excel CL 42U 600W 1000D-2C Colo Rack Grey White

#### 545-4761-2C-VVBM-GW

Excel CL 47U 600W 1000D-2C Colo Rack Grey White

#### 545-4281-2C-VVBM-GW

Excel CL 42U 800W 1000D-2C Colo Rack Grey White

#### 545-4781-2C-VVBM-GW

Excel CL 47U 800W 1000D-2C Colo Rack Grey White

### 4 Compartment

#### 545-4261-4C-VVBM-BK

Excel CL 42U 600W 1000D-4C Colo Rack Black

#### 545-4761-4C-VVBM-BK

Excel CL 47U 600W 1000D-4C Colo Rack Black

#### 545-4281-4C-VVBM-BK

Excel CL 42U 800W 1000D-4C Colo Rack Black

#### 545-4781-4C-VVBM-BK

Excel CL 47U 800W 1000D-4C Colo Rack Black

#### 545-4261-4C-VVBM-GW

Excel CL 42U 600W 1000D-4C Colo Rack Grey White

#### 545-4761-4C-VVBM-GW

Excel CL 47U 600W 1000D-4C Colo Rack Grey White

#### 545-4281-4C-VVBM-GW

Excel CL 42U 800W 1000D-4C Colo Rack Grey White

#### 545-4781-4C-VVBM-GW

Excel CL 47U 800W 1000D-4C Colo Rack Grey White



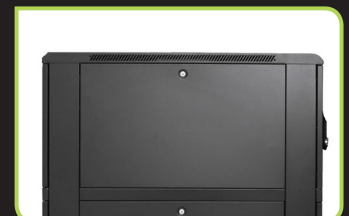
Vertical Management (CL600)



Optional Cable Management Rings (CL800 only)



Key and 3 digit combination locks



Removable Side Panel

# EXCEL COPPER

## Category 8

Category 8 Standard was published by TIA in September of 2016, ISO/IEC will follow later this year with their version, in response the publication of 802.3bq by the IEEE, which called for 40GBase-T for an up to 2-connector channel of 30 metres or less within the Data Centre.

“ The Excel Category 8 cabling solution is targeted for data centre switch-to-switch and switch-to-server interconnections, primarily in top-of-rack or end-of-row topologies. Category 8 Copper cable will allow data centres to transport data up to four times faster on essentially the same type of cable that they currently use, improving efficiency of the overall solution. ”

Neil Payne | Excel Product Manager

The Excel Category 8 Screened S/FTP LSOH Cable is designed and manufactured to meet and exceed the ISO, CENELEC and TIA standards. This delivers Class FA link and channel performance supporting all applications detailed and proposed within the standards. The performance characteristics have been enhanced to 2000 MHz for specialist applications.

Each cable consists of 4 pairs individually wrapped in a covering of high quality, strong, aluminium/polyester foil tape providing an individual screen for each pair. These sub units are then cabled together, with the pairs set to different lay lengths to ensure optimum performance, an overall braid screen is applied to provide further immunity to outside noise and to mitigate any risk of alien cross talk.

Excel Category 8 cables are jacketed in a violet low smoke zero halogen (LSOH) flame retardant compounds. The cable is supplied on 305 meter plywood drums, and the cable legend includes Euroclass information as standard for clear classification and traceability.

### 100-903 Excel Category 8 SFTP Cable



The Excel Category 8 Screened Field Termination RJ45 Plug offers easy, toolless termination and complies fully with ISO/IEC 11801, Category 8 and ANSI/TIA-568-C.2, Category 8 standards. It offers a fully shielded die-cast zinc alloy, nickel plated body and gold-plated phosphor bronze contact pins. Suitable for cable diameters between 5.6 and 8.5mm, strain relief is provided by the compression nut on the back of the connector. IDC termination accepts wire gauges from 22 to 24AWG.

### 100-802 Excel Category 8 Field termination RJ45 Plug



The Excel Category 8 cabling infrastructure has been designed to support short-distance (between 5 and 30 meters) runs of 25GBase-T or 40GBase-T transmission. A choice of compatible Patch Panel frames with either 16 or 24 port density in both black and chrome are available. The socket itself is housed in a high quality zinc die cast housing, which opens at the rear in a butterfly manner to reveal the IDC termination points. Once the pairs are arranged in the cable management cap and trimmed it is a simple case of closing the 'butterfly' together to complete the termination.

### 100-801 Excel Category 8 Screened butterfly toolless jack



# New Services

## Bespoke Laser Engraved Labelling

Our comprehensive range of laser engraved labels for patch panels and outlets ensure that every application is professionally labelled from the moment it is installed. Excel's Value Added Services include the labelling of cabinets, patch panels, GOPs and outlet modules. We can provide the highest quality laminated, laser-engraved labels printed to your specific requirements and shipped the same day, or we can provide the labels pre-printed and installed onto the required products in your order for complete convenience.



Blue BL/WT	White WT/BK	Orange OR/WT	Yellow YW/BK	Black BK/WT	Voilet VT/WT	Red RD/WT	Silver SR/BK	Green GN/WT
<b>L-FP-10-XX/XX</b>	<b>Full panel (24-way) up to 450 x 10mm high</b>	<b>L-RK-XL-XX/XX</b>	<b>Rack label - Extra Large (up to 75mm x 100mm)</b>					
<b>L-FP-15-XX/XX</b>	<b>Full panel (24-way) up to 450 x 15mm</b>	<b>L-LM-S-XX/XX</b>	<b>Loom Label (with 4 holes) - Small (up to 10mm x 50mm)</b>					
<b>L-FP-44-XX/XX</b>	<b>Full panel mask label - up to 450 x 44mm</b>	<b>L-LM-M-XX/XX</b>	<b>Loom Label (with 4 holes) - Medium (up to 15mm x 80mm)</b>					
<b>L-HP-10-XX/XX</b>	<b>Half panel (12-way) up to 225 x 10mm high</b>	<b>L-LM-L-XX/XX</b>	<b>Loom label (with 4 holes) - Large (up to 20mm x 100mm)</b>					
<b>L-HP-15-XX/XX</b>	<b>Half panel (12-way) up to 225 x 15mm high</b>	<b>L-LM-XL-XX/XX</b>	<b>Loom label (with 4 holes) - Extra large (up to 30mm x 150mm)</b>					
<b>L-HP-44-XX/XX</b>	<b>Half panel mask label - up to 225 x 44mm</b>							
<b>L-OT-XX/XX</b>	<b>Outlet label (up to 20mm x 15mm)</b>							
<b>L-RK-S-XX/XX</b>	<b>Rack label - Small (up to 20mm x 50mm)</b>							
<b>L-RK-M-XX/XX</b>	<b>Rack label - Medium (up to 30mm x 80mm)</b>							
<b>L-RK-L-XX/XX</b>	<b>Rack label - Large (up to 50mm x 100mm)</b>							

Note: xx/xx denotes colours

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[www.excel-networking.com](http://www.excel-networking.com)

We have stock of **CPR compliant** cables to **Cca standard** ready to go

Contact [sales@excel-networking.com](mailto:sales@excel-networking.com)  
**0121 326 7557** for further information

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