Product Guide 2011 - 2012

Excel is a world-class premium performing end-to-end infrastructure solution - designed, manufactured, supported and delivered - without compromise.

www.excel-networking.com

excel
without compromise.

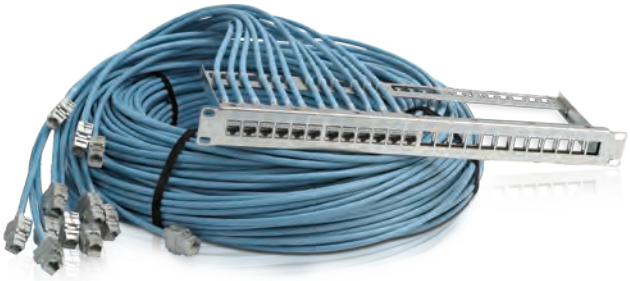
excel
without compromise.

Excel is a world-class premium performing end-to-end infrastructure solution - designed, manufactured, supported and delivered - without compromise.

Since the brand was conceived in 1997, Excel has enjoyed formidable growth. In 2011 the BSRIA market research report for the UK listed Excel as the number 3 structured cabling system by market share. Excel is distributed and installed in over 28 countries throughout EMEA.

With a focus on government, education, retail and commercial installations, Excel is a growing force in both European and global networking environs.

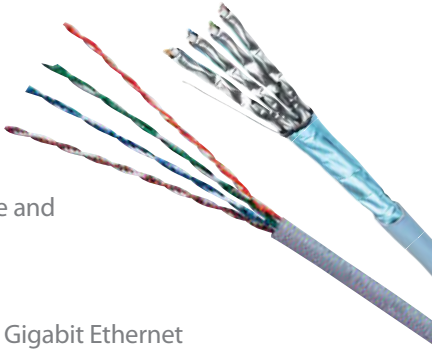
This catalogue highlights the most popular products available from Excel. To view the complete range please visit www.excel-networking.com.



Excel 25 year system warranty

When installed by an Excel Partner the Excel Cabling System is backed by a 25 year application warranty.

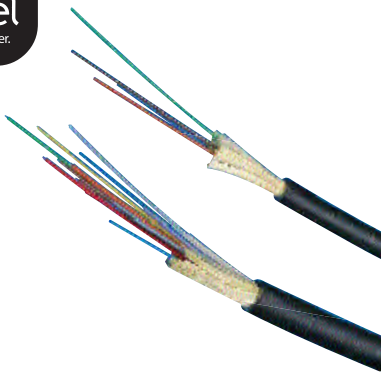
- Lifetime product warranty standard on all installations
  - Covers copper, fibre optic and voice cabling
- Registered sites covered by 25 year application warranty
  - Link warranty as standard, channel on application
  - Issued to ISO, EN and TIA standards
  - Warranty available to cover copper, fibre and voice cabling systems
  - Bandwidth warranty
- Category 6_A warranty covers support of 10 Gigabit Ethernet



Excel Partner Programme

There are many advantages to becoming an Excel Partner including:

- Personalised Products
- Literature Support
- Sales and Technical Training
- Project Price Support
- Free Technical Support



To receive further details and an application form simply **email sales@excel-networking.com**

This Excel Product Guide introduces a number of new products to the already extensive Excel range. This continued development of our product offering means you can be sure that you are installing the latest and most cost effective products available.

Some of the latest additions to the Excel System include:

Page 65

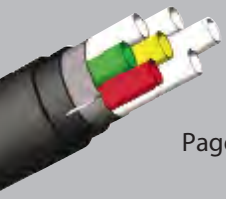
Excel and RiT EPV™

Excel announced a strategic partnership with RiT, the market leader in network infrastructure management solutions, in April 2010, to offer RiT's EPV™ system in conjunction with the Excel product set. EPV™ and Excel bring together a simplified solution for Intelligent Infrastructure Management (IIM) requirements. EPV™ is a risk-free solution that gives an accurate, real-time picture of an organisation's cabling infrastructure, at any time and any location.

Page 27

Excel Category 6_A Low Profile Screened Keystone Jack - Toolless

The Excel Category 6_A low profile screened Keystone Jack, is a toolless termination RJ45 Jack suitable for mounting in patch panels. This low profile version has a depth of just 28.3mm to allow greater ease of installation, particularly into confined spaces such as shallow back boxes, floor boxes and anywhere that space is an issue, such as data centre environments.



Page 91

Excel and Prysmian Sirocco®

Excel has signed an agreement to offer the Sirocco® Blown Fibre Solution from market leaders Prysmian Cables & Systems, and it will now be offered alongside the Excel structured cabling system. The Sirocco® Blown Fibre System provides a simple solution to manage evolving network demands without the need for high initial capital expenditure or extensive network planning. Sirocco® enables optical networks to adapt to changing business requirements. Sirocco® allows optical fibres to be deployed on demand from one point of a network to another (internal or external) using compressed air to blow optical fibre into pre-installed tubes.

Look for the NEW sign throughout the catalogue.

Excel MTP® System

This Excel system uses the MTP® manufactured by US Conec. The MTP® is a superior version of the Multifibre Push On (MPO) connector. The MTP® ensures higher performance than standard MPO connectors.

The MTP® connector houses a number of optical fibres. The Excel range currently utilises the 12 core MTP® connector. These 12 fibres are mounted in a single row between the indexing pins/holes. Connection of the MTP® is a simple matter of pushing the connector home into the coupler, until it clicks.

Page 86

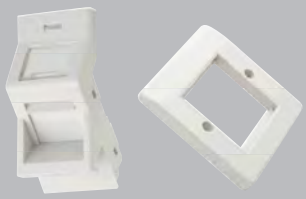
Excel Intelligent Power Distribution Units

The Excel Intelligent Power Distribution Units come in a choice of Monitored or Managed options and allow the total electrical current to be measured via the Local Area Network (LAN) using a standard web browser. The Managed PDU allows users to monitor, control and manage the power of equipment in a cabinet or comms/data room from anywhere in the world.

Page 137

Excel Office Mounting Hardware

The Excel Office Range brings style and enhanced aesthetics to any Excel installation, thanks to its curved plate finish and built in labelling fields.



Page 61

Contents

Copper Structured Cabling Systems 7

Intelligent Infrastructure Management (IIM) 65

Fibre Optic Cabling Systems 73

Blown Fibre Systems 91

Networking Cabinets & Enclosures 113

Voice Cabling Systems 139

Excel Copper Structured Cabling Systems

Excel Patch Panel Product Selector	8
Excel Modular Panel Product Selector	10
Excel Mounting Hardware Product Selector	12
Excel Mounting Hardware Faceplate Selector – Shutters	14
Excel Mounting Hardware Faceplate Selectors - Modules	16, 18
Cable Types	19
Excel Category 6_A Unscreened Twisted Pair Cable	20
Excel Category 6_A Screened Twisted Pair Cable	21
Excel Category 6_A Unscreened Twisted Pair Patch Leads	24
Excel Category 6_A Screened Twisted Pair Patch Leads	25
Excel Category 6_A Unscreened Keystone Jack	26
Excel Category 6_A Screened Keystone Jacks - Toolless	27
Excel Unloaded Keystone Jack Modular Patch Panel	28
Excel Category 6_A Screened Angled Keystone Jack – Toolless	29
Excel Angled Keystone Jack Patch Panel Frames – Unloaded	30
Excel Category 6 Unscreened Twisted Pair Cable	31
Excel Category 6 Screened Twisted Pair Cable	32
Excel Category 6 Unscreened Twisted Pair Patch Leads	33
Excel Category 6 Screened Twisted Pair Patch Leads	34
Excel Category 6 Unscreened Patch Panels	35
Excel Category 6 Screened Patch Panels	36
Excel Category 6 Unscreened Modules	37
Excel Category 6 Unscreened Keystone Jack Outlets	40
Excel Category 6 Unscreened Keystone Jack – Toolless	41
Excel Category 6 Unscreened Angled Keystone Jack – Toolless	42
Excel Category 6 Screened Keystone Jack – Toolless	43
Excel Category 6 Screened Angled Keystone Jack – Toolless	44
Excel Category 5e Unscreened Twisted Pair Cable	45
Excel Category 5e Unscreened Twisted Pair Patch Leads	47
Excel Category 5e Screened Twisted Pair Cable	49
Excel Category 5e Screened Twisted Pair Patch Leads	49
Excel Category 5e Unscreened Patch Panels	50
Excel Category 5e Screened Patch Panels	52
Excel Category 5e Unscreened Modules	53
Excel Category 5e Unscreened Keystone Jack Outlets	56
Excel Category 5e Unscreened Keystone Jack – Toolless	57
Excel Category 5e Screened Modules	58
Excel Category 5e Screened Keystone Jack – Toolless	59
Excel 6c Faceplates	59
Excel Mounting Hardware	60
Excel Office Mounting Hardware	61
Excel Mounting Hardware - Back Boxes	62
Excel Grid Outlet Position (GOP) Box	63
Excel Cable Management	64

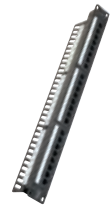
Please check with your local Excel Sales Office or distributor for in country product availability

Excel Patch Panel - Product Selector

The Excel range offers a broad choice of PCB Board Patch Panel designs

	Patch Panels					
	Excel Category 6 Unscreened	Excel Category 6 Unscreened Right Angle Panel	Excel Plus Category 6 Unscreened	Excel Plus Category 6 Unscreened Modular Panel - Loaded	Excel Category 6 Screened	Excel Category 5e Unscreened
	P/N 100-304 24 port - Black P/N 100-306 48 port - Black	P/N 100-302 24 port - Black P/N 100-394 48 port - Black	P/N 100-372 24 port - Black P/N 100-380 48 port - Black	P/N 100-015 24 port - Black	P/N 100-013 24 port - Black	P/N 100-720 16 port - Black P/N 100-726 24 port - Black P/N 100-722 32 port - Black P/N 100-728 48 port - Black
Rear management tray	✓	✓		✓	✓	
Enhanced Slide Label System			✓			
Cage nuts and 1-96 label kit included	✓	✓	✓		✓	✓
25 Year Warranty available	✓	✓	✓	✓	✓	✓

For copies of the product specification sheets and Delta certificates, where applicable, please visit the downloads area of **www.excel-networking.com**

Excel Category 5e Unscreened Through Coupler	Excel Category 5e Unscreened	Excel Category 5e Unscreened	Excel Category 5e Unscreened Right Angle Panel	Excel Plus Category 5e Unscreened Right Angle Panel	Excel Category 5e Screened Right Angle Panel
P/N 100-309 24 port - Black	P/N 100-450 24 port - Blue P/N 100-451 24 port - Red P/N 100-452 24 port - Green P/N 100-453 48 port - Blue P/N 100-454 48 port - Red P/N 100-455 48 port - Green	P/N 100-470 24 port - Black P/N 100-480 48 port - Black	P/N 100-460 24 port - Black P/N 100-497 48 port - Black	P/N 100-490 24 port - Black	P/N 100-736 24 port - Black
					
			✓	✓	✓
		✓		✓	
✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓

Excel Modular Panel - Product Selector

The Excel Modular Panel range is compatible with a range of Keystone style jacks

Modules		Patch Panels	
		Excel 16 Port Unloaded Keystone Patch Panel Frame - Black	Excel 24 Port Unloaded Keystone Patch Panel Frame - Black
		P/N 100-025	P/N 100-026
Excel Angled Butterfly Keystone Jack - Toolless			
P/N 100-185 Chrome - Screened - Category 6_A			
P/N 100-213 Black - Unscreened - Category 6			
P/N 100-214 Chrome - Screened - Category 6			
Excel Butterfly Keystone Jack - Toolless			
P/N 100-180 Chrome - Screened - Category 6_A		✓	✓
P/N 100-181 Chrome Low Profile Screened - Category 6_A		✓	✓
P/N 100-210 Chrome - Screened - Category 6		✓	✓
P/N 100-211 White - Unscreened - Category 6		✓	✓
P/N 100-212 Black - Unscreened - Category 6		✓	✓
P/N 100-906 Chrome - Screened - Category 5e		✓	✓
P/N 100-203 White - Unscreened - Category 5e		✓	✓
P/N 100-204 Black - Unscreened - Category 5e		✓	✓
Excel Unscreened Keystone Jack IDC			
P/N 100-156 White - Unscreened - Category 6_A		✓	✓
P/N 100-011 White - Unscreened - Category 6		✓	✓
P/N 100-011-BK Black - Unscreened - Category 6		✓	✓
P/N 100-010 White - Unscreened - Category 5e		✓	✓
P/N 100-010-BK Black - Unscreened - Category 5e		✓	✓

For copies of the product specification sheets and Delta certificates, where applicable, please visit the downloads area of **www.excel-networking.com**

Excel 16 Port Unloaded Keystone Patch Panel Frame - Chrome	Excel 24 Port Unloaded Keystone Patch Panel Frame - Chrome	Excel 24 Port Unloaded Keystone Angled Patch Panel Frame - Black	Excel 24 Port Unloaded Keystone Angled Patch Panel Frame - Chrome	RiT EPV™ Keystone Jack Patch Panel - Unscreened	RiT EPV™ Keystone Jack Patch Panel - Screened
P/N 100-027	P/N 100-028	P/N 100-023	P/N 100-024	P/N R3260080	P/N R3260081
		✓	✓		
		✓	✓		
		✓	✓		
✓	✓				✓
✓	✓				✓
✓	✓				✓
✓	✓			✓	
✓	✓			✓	
✓	✓				✓
✓	✓			✓	
✓	✓			✓	
✓	✓				
✓	✓				
✓	✓				
✓	✓				
✓	✓				

Excel Mounting Hardware - Product Selector

Excel offers a range of Keystone Jacks with compatible straight or angled shutters and faceplate mounting options

Keystone		Shutter Euromod 25 x 50 mm Excel White Keystone Shutter P/N 100-014	Shutter Euromod 25 x 50 mm Excel Black Keystone Shutter P/N 100-014-BK
Excel Category 6_A Screened Keystone Toolless Jack P/N 100-180 - Chrome		✓	✓
Excel Category 6_A Low Profile Screened Keystone Toolless Jack P/N 100-181 - Chrome		✓	✓
Excel Category 6_A Unscreened Keystone Toolless Jack P/N 100-156 - W hite		✓	
Excel Category 6 Screened Keystone Jack P/N 100-210 - Chrome		✓	✓
Excel Category 6 Unscreened Keystone Jack P/N 100-011 - White P/N 100-011-BK - Black		✓	✓
Excel Category 6 Unscreened KeystoneToolless Jack P/N 100-211 - White P/N 100-212 - Black		✓	✓
Excel Category 5e Screened Keystone Toolless Jack P/N 100-906 - Chrome		✓	✓
Excel Category 5e Unscreened Keystone Toolless Jack P/N 100-203 - White P/N 100-204 - Black		✓	✓
Excel Category 5e Unscreened Keystone Jack P/N 100-010 - White P/N 100-010-BK - Black		✓	✓

For copies of the product specification sheets and Delta certificates, where applicable, please visit the downloads area of **www.excel-networking.com**

	6c		Excel Office
Excel White Angled Shutter	Excel White Keystone 6c Shutter	Excel White Angled 6c Shutter	Excel Office White Angled Shutter
P/N 100-175	P/N 100-018	P/N 100-022	P/N 100-280
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓

Excel Mounting Hardware - Faceplate Product Selector

Keystone		Shutter Euromod 25 x 50 mm Excel White Keystone Shutter P/N 100-014	Shutter Euromod 25 x 50 mm Excel Black Keystone Shutter P/N 100-014-BK
Excel Single Gang Bevelled Faceplate P/N 100-712		✓	✓
Excel Single Gang Flat Faceplate P/N 100-714		✓	✓
Excel Double Gang Bevelled Faceplate P/N 100-716		✓	✓
Excel Double Gang Faceplate P/N 100-718		✓	✓
Excel Single Gang 6c Faceplate P/N 100-670			
Excel Double Gang 6c Faceplate P/N 100-671			
Excel Office Single Gang Faceplate c/w 2 half blanks P/N 100-270			✓
Excel Office Double Gang Faceplate c/w 2 half blanks P/N 100-271			✓

For copies of the product specification sheets and Delta certificates, where applicable, please visit the downloads area of **www.excel-networking.com**

	6c		Excel Office
Excel White Angled Shutter	Excel White Keystone 6c Shutter	Excel White Angled 6c Shutter	Excel Office White Angled Shutter
P/N 100-175	P/N 100-018	P/N 100-022	P/N 100-280
✓			
✓			
✓			
✓			
	✓	✓	
	✓	✓	
			✓
			✓

Excel Mounting Hardware - Faceplate Product Selector

Modules - Euromod

Keystone		Face Plate: Excel Single Gang Bevelled P/N 100-712	Face Plate: Excel Single Gang P/N 100-714
Excel Category 6 Unscreened P/N 100-300 - White P/N 100-298 - Black		 ✓ ✓	 ✓ ✓
Excel Category 6 Unscreened Low Profile P/N 100-366 - White		 ✓	 ✓
Excel Category 5e Unscreened P/N 100-700 - White P/N 100-730 - Blue P/N 100-731 - Red P/N 100-732 - Green		 ✓ ✓ ✓ ✓	 ✓ ✓ ✓ ✓
Excel Category 5e Unscreened Low Profile P/N 100-760 - White P/N 100-763 - Black P/N 100-737 - Blue P/N 100-738 - Red P/N 100-739 - Green		 ✓ ✓ ✓ ✓ ✓	 ✓ ✓ ✓ ✓ ✓
Excel Category 5e Screened P/N 100-706 - White		 ✓	 ✓
Excel Voice Modules Secondary - Euro Style P/N 100-781 - White PABX - Euro Style P/N 100-783 - White PSTN - Euro Style P/N 100-785 - White PSTN - Euro Style, Left Hand Polarised P/N 100-796 - White		 ✓ ✓ ✓ ✓	 ✓ ✓ ✓ ✓
Excel Office Category 6 Unscreened Low Profile P/N 100-276 - White			
Excel Office Category 5e Unscreened Low Profile P/N 100-275 - White			

For copies of the product specification sheets and Delta certificates, where applicable, please visit the downloads area of **www.excel-networking.com**

Excel Double Gang Bevelled	Excel Double Gang	Excel Office Single Gang c/w 2 half blanks	Excel Office Double Gang c/w 2 half blanks
P/N 100-716	P/N 100-718	P/N 100-270	P/N 100-271
✓ ✓	✓ ✓	✓	✓
✓	✓		
✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓
✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓
✓	✓		
✓ ✓ ✓ ✓	✓ ✓ ✓ ✓		
		✓	✓
		✓	✓

Excel Mounting Hardware - Faceplate Product Selector Modules - 6c

		Face Plate	
		Excel Single Gang 6c Faceplate	Excel Double Gang 6c Faceplate
		P/N 100-670	P/N 100-671
Keystone			
Excel Category 6 Unscreened RJ45 Module P/N 100-301 - White		✓	✓
Excel Category 5e Unscreened RJ45 Modules			
P/N 100-758 - White		✓	✓
P/N 100-759 - Black		✓	✓
P/N 100-733 - Blue		✓	✓
P/N 100-734 - Red		✓	✓
P/N 100-735 - Green		✓	✓
Excel Voice Module Secondary - 6c Style P/N 100-789 - White		✓	✓

For copies of the product specification sheets and Delta certificates, where applicable, please visit the downloads area of **www.excel-networking.com**

Cable Types

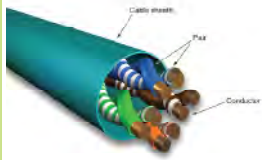
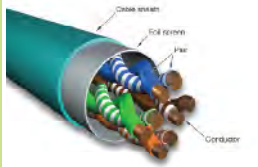
The first letter of the acronym describes the overall screening. The second letter describes the screening of individual pairs and the TP refers to the Twisted Pairs.

The reason for the additional letter at the beginning of the acronym is to avoid confusion of the different types of screened cables which have been developed in the last few years.

Example

	F/UTP
Describes the overall screen	
Describes the screening of the pairs	
Describes the Twisted Pairs	

The following are the types of cable recognised in the ISO/IEC 11801 standard.

U/UTP Unscreened outer with unscreened twisted pairs		**SF/UTP** Screened braid and foil outer with unscreened twisted pairs	
F/UTP Screened foil outer with unscreened twisted pairs		**S/FTP** Screened braid outer with individual screened foil twisted pairs	
U/FTP Unscreened outer with individual screened foil twisted pairs		**F/FTP** Screened foil outer with individual screened foil twisted pairs	

Excel Category 6_A Unscreened Twisted Pair (U/UTP) Cable – LSOH

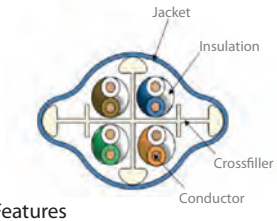
Excel Category 6_A – Augmented Category 6 – cables, and associated connectors, take the performance capabilities of copper infrastructure to new levels. Designed to the current ISO, EN and TIA standards for Class EA augmented Category 6_A performance these products are intended to deliver reliable, high network performance over link distances of upto 90 metres, including support of emerging applications such as 10GBase-T, 10 Gigabit Ethernet.

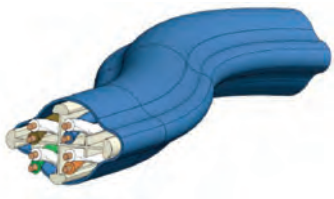
Each cable consists of 4 unscreened twisted pairs which are formed around specifically designed X filler, manufactured from lightweight flexible polyethelene.

The term alien cross talk is given to the transfer of 'noise' between adjacent cables which can degrade system performance, and data integrity. The likelihood of this occuring is high in cables with 'standard' circular designs as they will inevitably 'lay' closely together in a uniform manner when installed. Non circular cables, together with carefully controlled manufacturing processes, and the use of X fillers, protect against alien crosstalk, through cable design rather than the use of shields.

Excel Category 6_A U/UTP have a unique oval appearance to enable - and ensure - that installed looms of cables are not able to form consistent 'side by side' bundles which would increase the probability of alien cross talk between adjacent cables.

Excel Category 6_A cables are jacketed in an Ice Blue low smoke zero halogen (LSOH) compound compliant with flame retardant standards as defined in IEC 60332-1, and smoke emission standards IEC61034.





Features

- Specified to 500MHz
- Category 6_A compliant
- Suitable for 10 Gigabit, 10GBase-T, Ethernet applications
- Conventional unshielded construction
- Compact, but robust, design
- Low Smoke Zero Halogen Outer Sheath
- 25 year system warranty
- Sequential metre marked 500 metre to 0 metre on each drum
- 500 metre plywood reel packaging

Description	Part Number
Category 6_A U/UTP Cable, Ice Blue LSOH, 500 metre drum	100-190

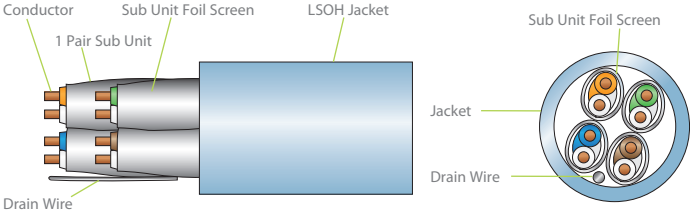
EC verified. *This product has been tested by the Delta EC Cabling Group and complies with the following standards - ISO/IEC 11801 2nd edition:2002 and IEC 61156-5: Edition 2.0 2009-02, ISO/IEC 11801 amendment 2:2010, EN 50173:2007 and ANSI/TIA-568-C.2. For copies of test certification please contact your local Excel distributor, or visit www.excel-networking.com or www.delta.dk.*

Excel Category 6_A Screened Twisted Pair (U/FTP) Cable – LSOH

Excel Category 6_A – Augmented Category 6 – cables, and associated connectors, take the performance capabilities of copper infrastructure to new levels. The cable has been designed to exceed the ISO/IEC, CENELEC and TIA for Category 6_A/Augmented Category 6 component requirements. This delivers Class EA/Augmented Category 6 link performance over distances of up 90 metres which supports the applications including 10GBASE-T, 10 Gigabit Ethernet.

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.

Excel Category 6_A cables are jacketed in an Ice Blue low smoke zero halogen (LSOH) compound compliant with flame retardant standards as defined in IEC 60332-1, and smoke emission standards IEC61034. Supplied on 500 metre plywood drums, each cable has a print legend identifying the specification, part code and sequential metre marking which counts down from 500 metres to 1 metre, on each drum to reduce waste.



Features

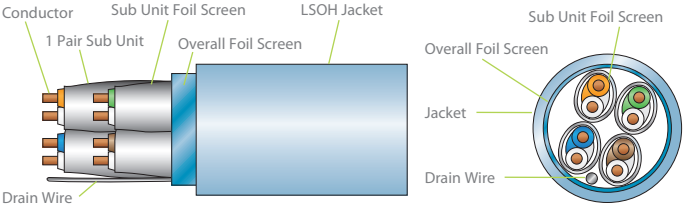
- Specified to 500MHz
- Category 6_A compliant
- Suitable for 10GBASE-T, 10 Gigabit Ethernet Applications
- Individual foil screen
- Compact, but robust, design
- Low Smoke Zero Halogen Outer Sheath
- 25 year system warranty

Description	Part Number
Category 6_A U/FTP Cable, Ice Blue LSOH, 500 metre drum	100-192

EC verified. *This product has been tested by the Delta EC Cabling Group and complies with the following standards - ISO/IEC 11801 2nd edition:2002 and IEC 61156-5: Edition 2.0 2009-02, ISO/IEC 11801 amendment 2:2010, EN 50173:2007 and ANSI/TIA-568-C.2. For copies of test certification please contact your local Excel distributor, or visit www.excel-networking.com or www.delta.dk.*

Excel Category 6_A Screened Twisted Pair (F/FTP) Cable - LSOH

Excel Category 6_A F/FTP cable consists of four pairs each wrapped in a covering of high quality, strong, aluminium/polyester foil tape providing an individual screen for each pair. These pairs are then cabled together, with the conductors set to different lay lengths to ensure optimum performance, an overall 360 degree foil tape screen plus drain wire is applied to provide further immunity to outside noise and to mitigate any risk of alien cross talk.



Excel Category 6_A cables are jacketed in an Ice Blue low smoke zero halogen (LSOH) compound compliant with flame retardant standards as defined in IEC 60332-1, and smoke emission standards IEC61034.

Features

- Specified to 500MHz
- Category 6_A compliant
- EC verified
- Suitable for 10 Gigabit, 10GBase-T, Ethernet applications
- Individual and overall foil screen
- Compact, but robust, design
- Low Smoke Zero Halogen Outer Sheath
- 25 year system warranty
- Sequential metre marked 500 metre to 0 metre on each drum
- 500 metre plywood reel packaging

Description	Part Number
Category 6_A F/FTP Cable, Ice Blue LSOH, 500 metre drum	100-150

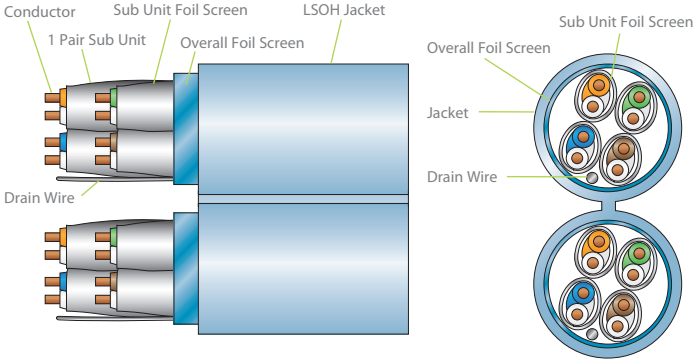
For full specification details please visit www.excel-networking.com

EC verified. *This product has been tested by the Delta EC Cabling Group and complies with the following standards - ISO/IEC 11801 2nd edition:2002 and IEC 61156-5: Edition 2.0 2009-02, FDAM ISO/IEC 11801 amendment 2:2009, EN 50173:2007 and ANSI/TIA-568-C.2. For copies of test certification please contact your local Excel distributor, or visit www.excel-networking.com or www.delta.dk.*

Excel Dual Category 6_A Shielded Twisted Pair (F/FTP) Cable – LSOH

Excel Category 6_A – Augmented Category 6 – cables, and associated connectors, take the performance capabilities of copper infrastructure to new levels. Designed to the current ISO and EIA/TIA standards for Class EA augmented Category 6_A performance these products are intended to deliver reliable, high network performance over link distances of upto 90 metres, including support of emerging applications such as 10GBase-T, 10 Gigabit Ethernet.

In this dual design each cable leg 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.



Excel Category 6_A cables are jacketed in an Ice Blue low smoke zero halogen (LSOH) compound compliant with flame retardant standards as defined in IEC 60332-1, and smoke emission standards IEC61034. Supplied on 500 metre plywood drums, each cable has a print legend identifying the specification, part code and sequential metre marking which counts down from 500 metres to 1 metre, on each drum to reduce waste.

Features

- Specified to 500MHz
- Category 6_A compliant
- Suitable for 10 Gigabit, 10GBase-T, Ethernet applications
- Individual foil screen over each pair
- 2 x 4 pair dual construction
- Low Smoke Zero Halogen Outer Sheath
- 25 year system warranty

Description	Part Number
Category 6_A F/FTP Dual Cable, Ice Blue LSOH, 500 metre drum	100-195

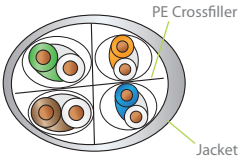
Excel Category 6_A Unscreened Twisted Pair (U/UTP) Patch Leads - LSOH

Excel Category 6_A patch leads consist of 4 twisted pairs of 26AWG stranded copper wires. These pairs are then cabled together, with different lay lengths to ensure optimum performance. Staggered pin RJ45 plugs, terminate the cable, and each lead is fitted with colour coded slimline moulded boots, suitable for use in high density router or switch blades.

NEW excel

Features

- Specified to 500MHz
- Suitable for 10 Gigabit, 10GBase-T, Ethernet application
- EC verified
- Blade style 'slimline' moulded strain relief boot with clip protector
- Choice of length and colour
- Low smoke zero halogen outer sheath
- 25 year system warranty



Length (M)	Grey	Blue	Red	Yellow	Green
1	100-500	100-509	100-519	100-529	100-539
2	100-501	100-510	100-520	100-530	100-540
3	100-502	100-511	100-521	100-531	100-541
5	100-503	100-512	100-522	100-532	100-542

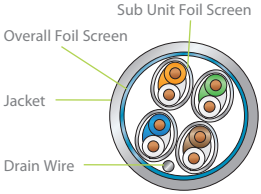
Alternative lengths and colours are available subject to minimum order quantities and lead times.

Excel Category 6_A Screened Twisted Pair (F/FTP) Patch Leads - LSOH

Excel Category 6_A patch leads consist of 4 twisted pairs of 26AWG stranded copper wires, an aluminium/polyester foil tape provides an individual screen for each pair. These pairs are then cabled together, with different lay lengths to ensure optimum performance and wrapped in an overall foil tape screen. Staggered pin RJ45 shielded plugs, terminate the cable, and each lead is fitted with colour coded slimline moulded boots, suitable for use in high density router or switch blades.

Features

- Specified to 500MHz
- Suitable for 10 Gigabit, 10GBase-T, Ethernet application
- EC verified
- Individual foil screen over each pair plus overall foil tape screen
- Blade style 'slimline' moulded strain relief boot with clip protector
- Choice of length and colour
- Low smoke zero halogen outer sheath
- 25 year system warranty
- Compatible with Excel U/FTP cable - part number 100-192



Length (M)	Grey	Blue	Red	Yellow	Green
1	100-148	-	-	-	-
2	100-152	100-157	100-162	100-167	100-171
3	100-153	100-158	100-163	100-168	100-172
5	100-154	100-160	100-165	100-170	100-174

Alternative lengths and colours are available subject to minimum order quantities and lead times.

Excel Category 6_A Unscreened Keystone Jack

The Excel Category 6_A Unscreened Keystone Jack, is a RJ45 Keystone Jack suitable for mounting in a range of housings from patch panels, faceplates and shutters to sub floor boxes, and work area distribution enclosures. The socket itself is housed in a high quality ABS plastic housing, which opens at the rear to reveal the IDC termination points. A choice of patch panel frames with either 16 or 24 port density in both black and chrome are available.

Features

- IDC point at 180˚ to jack
- Suitable for patch panel and faceplate mounting
- EC verified
- UL 1863 Safety Listed
- UL94V-0 fire retardant plastic
- Lifetime Product Warranty
- 25 year system warranty
- Suitable for 10 Gigabit, 10GBase-T, Ethernet applications

Description	Part Number
Category 6_A Unscreened Jack	100-156
Compatible Patch Panel Frames	
Unloaded 16 port Black Patch Panel Frame - Plastic Fascia	100-025
Unloaded 24 port Black Patch Panel Frame - Plastic Fascia	100-026
Unloaded 16 port Chrome Patch Panel Frame	100-027
Unloaded 24 port Chrome Patch Panel Frame	100-028

EC verified. *This product has been tested by the Delta EC Cabling Group and complies with the following standards - ISO/IEC 11801 2nd edition:2002, ISO/IEC 11801 amendment 2:2010, EN 50173:2007, ANSI/TIA-568-C.2 and iec 60603-7-41. For copies of test certification please contact your local Excel distributor, or visit www.excel-networking.com or www.delta.dk.*

See page 60 for full specification and features of compatible shutters and page 28 for compatible patch panel frames.

FACEPLATES & SHUTTERS excel Turn to page 60 for details

Excel Category 6_A Screened Keystone Jacks - Toolless

The Excel Category 6_A Screened Keystone Jack, is a toolless termination RJ45 Keystone Jack suitable for mounting in a range of housings from patch panels, faceplates and shutters to sub floor boxes, and work area distribution enclosures. 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 conductors of the cable are fed into a management cap, the termination process is completed by snapping the butterfly wings together with minimal, but firm pressure.

A choice of depths are available, the standard module at 41mm and the low profile design, which at 28mm is the lowest profile, third party verified Category 6_A toolless jack on the market. This shallow design makes the product ideal for sub floor, dado and GOP Box installations.

100-180

Features

- High quality die cast housing
- Toolless termination design, quick, easy, consistent
- Suitable for patch panel and faceplate mounting
- Choice of standard (41mm) and low profile (28mm) designs
- EC verified - component level
- Lifetime Product Warranty
- 25 year system warranty
- 360° shielding protects against alien crosstalk
- Suitable for 10 Gigabit, 10GBase-T, Ethernet applications

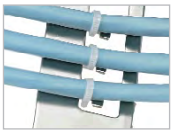
100-181

Description	Part Number
Category 6_A Screened Butterfly Style Toolless Jack , Standard	100-180
Category 6_A Screened Butterfly Style Toolless Jack, Low Profile	100-181

EC verified. *This product has been tested by the Delta EC Cabling Group and complies with the following standards - ISO/IEC 11801 2nd edition:2002, FDAM ISO/IEC 11801 amendment 2:2009, EN 50173:2007, ANSI/TIA-568-C.2, Cat. 6_A and Draft IEC 60603-7-51 (screened). For copies of test certification please contact your local Excel distributor, or visit www.excel-networking.com or www.delta.dk.*

See page 60 for full specification and features of compatible shutters and page 28 for compatible patch panel frames. See Intelligent Infrastructure Management section, pages 65-72 for details on RiT EPV™.

Excel Unloaded Keystone Jack Modular Patch Panel



The Excel Keystone Jack 16 port or 24 port 1U empty patch panel frames allow for flexible port density from 1 through to 24 ports. The panels are compatible with Excel Category 5e, Category 6 and Category 6_A keystone jacks and come complete with a rear management bar, which can be fitted quickly without the need for tooling or fixings.

The Excel Keystone Jack patch panel frame offers flexibility either through part loading to suit the installations and manage cost, or for pre-terminated requirements, allowing terminated jacks to be snapped into place quickly and easily.

Features

- Supplied unloaded
- Available in chrome or black
- Load from 1 to 24 Keystones in 1U of rack space
- Compatible with Category 5e, 6 and 6_A Excel Toolless Jacks
- Supplied with cage nuts, earth cable and rear management tray

Description	Part Number
Unloaded 16 port Black Patch Panel Frame - Plastic Fascia	100-025
Unloaded 24 port Black Patch Panel Frame - Plastic Fascia	100-026
Unloaded 16 port Chrome Patch Panel Frame	100-027
Unloaded 24 port Chrome Patch Panel Frame	100-028
Compatible Modules	
Category 6_A Screened Butterfly Style Toolless Jack	100-180
Category 6_A Unscreened Jack	100-156
Category 6 Screened Butterfly Style Toolless Keystone Jack	100-210
Category 6 Unscreened Butterfly Style Toolless Keystone Jack - White	100-211
Category 6 Unscreened Butterfly Style Toolless Keystone Jack - Black	100-212
Category 6 RJ45 White Keystone Jack	100-011
Category 6 RJ45 Black Keystone Jack	100-011-BK
Category 5e Screened Butterfly Style Toolless Keystone Jack	100-906
Category 5e Unscreened Butterfly Style Toolless Keystone Jack - White	100-203
Category 5e Unscreened Butterfly Style Toolless Keystone Jack - Black	100-204
Category 5e RJ45 White Keystone Jack	100-010
Category 5e RJ45 Black Keystone Jack	100-010-BK

Patch cable management bars are available in both chrome and black to suit the above patch panel frames. See page 64.

For full details on compatible Category 5e Keystone Jacks see pages 56 - 57 and 59, Category 6 Keystone Jacks see pages 40 - 41 and 43 and Category 6_A Keystone Jacks see pages 26-27.

Excel Category 6_A Screened Angled Keystone Jack – Toolless

The Excel Category 6_A screened angled Keystone Jack, is a toolless termination RJ45 socket suitable for mounting in patch panels. The angled design of the socket face makes this product ideal for high density frames. Traditional horizontal patch cable management bars can be removed or reduced in number as the leads follow a natural route to the left or right of the panel and the cabinets vertical management. To the rear of the socket the design is exactly the same as the excel keystone range, enabling standard termination and cable dressing practices to be followed. The socket itself is housed in a high quality zinc die cast housing, which opens a the rear in a butterfly manner to reveal the IDC termination points. Once the conductors of the cable to be terminated are fed into a management cap the process is completed by snapping the 'butterfly wings' together with minimal, but firm pressure. Patch Panel frames with 24 port density in both black and chrome are available.

Features

- High quality die cast housing
- Toolless termination design
- Suitable for patch panel mounting
- Suitable for 10 Gigabit Ethernet application
- Ideal for high density cabling installations
- 25 year system warranty
- 360° Shielding protects against alien crosstalk
- Angled design assists patch cable management

NEW excel

Description	Part Number
Category 6_A Screened Butterfly Style Toolless Angled Jack - Chrome	100-185
Compatible Patch Panel Frames	
Unloaded 24 Port Chrome Angled Keystone Frame	100-024
Unloaded 24 Port Black Angled Keystone Frame	100-023

EC verified. *This product has been tested by the Delta EC Cabling Group and complies with the following standards - ISO/IEC 11801 2nd edition:2002, ISO/IEC 11801 amendment 2:2010, EN 50173:2007, ANSI/TIA-568-C.2 and IEC 60603-7-51 (screened). For copies of test certification please contact your local Excel distributor, or visit www.excel-networking.com or www.delta.dk.*

See page 30 for full specification and features of compatible patch panel frames.

Excel Angled Keystone Jack Patch Panel Frames – Unloaded

The Angled Keystone Jack Patch Panel Frame is available to support a range of screened and unscreened jacks. It accepts the innovative Excel Angled Toolless Keystone Jack range available in Category 6 & 6_A variants to deliver solution options. The angled jack directs the cable to one side which reduces the bend on the patch cable. This, in turn, reduces the space required between the front of the patch panel and the cabinet doors. The angled nose piece of the jack achieves this while maintaining a conventional flat panel format.

The patch panel, combined with the Angled Toolless Keystone Jacks, maintains cable entry perpendicular to the rear of the panel via the integrated cable manager. This allows the cable management at the rear of the panel to be installed in a way to suit numerous methods – 24 left or 24 right or a mix of left and right. It also means part filled panels can easily be added to.

The Chrome finish patch panel comes complete with an earth bonding kit and is suitable for installation of screened and unscreened jacks.

Features

- Supplied unloaded
- Choice of colour – Black & Chrome finish
- 24 Port modular design ideal for standard and pre-terminated installations
- Uniform cable termination – added flexibility of cable entry with supplied cable manager
- Supports Unscreened & Screened – Cat 6 & Cat 6_A – Angled Keystone Toolless jacks
- Supplied with cage nuts and screw fixings
- Earth kit supplied with chrome model

NEW excel

Description	Part Number
Unloaded 24 Port Black Angled Keystone Frame	100-023
Unloaded 24 Port Chrome Angled Keystone Frame	100-024
Compatible Modules	
Category 6_A Screened Butterfly Style Toolless Angled Jack - Chrome	100-185
Category 6 Screened Butterfly Style Toolless Angled Jack - Chrome	100-214
Category 6 Unscreened Butterfly Style Toolless Angled Jack - Black	100-213

For full details on compatible Category 6 Keystone Jacks see pages 42 and 44 and Category 6_A Keystone Jacks see page 29.

Excel Category 6 Unscreened Twisted Pair (U/UTP) Cable

Excel Category 6 U/UTP cable is designed for optimal support of High-Speed data protocols delivering 1 Gbps performance to the workstation. Designed to be quick and easy to install the cable requires no specialist installation tools and is supplied in reelex packaging for fast, snag free installation. To reduce wastage each cable is numbered from 305metre to 1 metre, allowing quick and easy calculation of the cable remaining in the box. The inclusion of a polyethylene cross filler ensures optimum cross talk performance.

Features

- 305 to 0 metre marking helps to reduce waste
- 305 metre reelex packaging
- 23AWG conductor
- EC Verified
- Lifetime product warranty
- 25 year system warranty available

Description	Part Number
Category 6 LSOH Cable Violet	100-071
Category 6 PVC Cable Grey	100-070
Category 6 LSOH Cable White	100-074
Category 6 LSOH Cable Orange	100-075
Category 6 Dual LSOH Cable White	100-103

EC verified. *This product has been tested by the Delta EC Cabling Group and complies with the following standards - ISO/IEC 11801 2nd edition:2002 and IEC 61156-5: Edition 2.0 2009-02, ISO/IEC 11801 amendment 2:2010, EN 50173:2007 and ANSI/TIA-568-C.2. For copies of test certification please contact your local Excel distributor, or visit www.excel-networking.com or www.delta.dk.*

RANGE EXTENDED excel PVC now in stock

RANGE EXTENDED excel Colours and dual cable available

Excel Category 6 Unscreened Twisted Pair (U/UTP) - External Grade (PE)

Excel Category 6 U/UTP cable is designed for optimal support of high-speed data protocols delivery 1Gbps performance to the workstation. The cable comes with a black polyethylene outer sheath, for outdoor use.

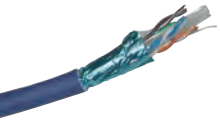
Designed to be quick and easy to install the cable requires no specialist installation tools and is supplied in reelex packaging for fast, snag free installation. To reduce wastage each cable is numbered from 305 metre to 1 metre, allowing quick and easy calculation of the cable remaining in the box.

Features

- 305 to 0 metre marking helps reduce waste
- 305 metre reelex packaging
- 25 year system warranty available

Description	Part Number
Category 6 External Grade Cable Black	100-100

Excel Category 6 Screened Twisted Pair (F/UTP) Cable



Photograph represents style only

Excel Category 6 F/UTP cable is designed to provide high bandwith for LAN and Data Centre applications. Made with a flexible Low Smoke Zero Halogen sheath, the Excel Category 6 F/UTP has a 100% aluminium foil shield to minimise interference and reduce background noise.

Features

- Enhanced performance
- 25 year system warranty
- Performance matched to Excel Category 6 connecting hardware
- ETL Verified

Description	Part Number
Category 6 LSOH Cable Violet - 305m	100-076
Category 6 LSOH Cable Violet - 500m	100-076/LTGN-500

A PVC version of this cable is available subject to minimum order quantities and lead time

Excel Dual Category 6 Screened Twisted Pair (F/UTP) Cable

Photograph represents style only

Excel Category 6 F/UTP cable is designed to provide high bandwith for LAN and Data Centre applications. Made with a flexible Low Smoke Zero Halogen sheath, the Excel Category 6 F/UTP has a 100% aluminium foil shield to minimise interference and reduce background noise.

Two of these 4 pair units are then extruded together to form a dual 'figure of 8' finished cable. A small web of LSOH compound joins the two 4 pair units together and provides a quick and easy method of separating the cables for termination.

Features

- Category 6 compliant
- 23AWG conductor
- LSOH outer sheath
- Overall foil tape screen
- Central 'X' filler
- '500-0' metre marked
- 2 x 4 pair dual construction
- 25 year system warranty

Description	Part Number
Dual Category 6 Cable LSOH, 500 metre drum	100-077/LTGN

CAT6

Excel Category 6 Unscreened Twisted Pair (U/UTP) – Patch Leads Booted – LSOH

Excel Category 6 stranded conductor 4 pair U/UTP booted patch leads are manufactured from enhanced performance patch cable and RJ45 connectors. Available in a choice of colours. Supplied in packs of 10 for lengths up to 5m. For lengths of 6m and greater the patch leads are supplied individually.

Features

- LSOH outer sheath
- Performance matched to Excel Category 6 connecting hardware
- Choice of colours
- Blade style 'slimline' moulded strain relief boot with clip protector
- Lifetime product warranty
- 25 year system warranty available

Length (M)	Grey	Red	Blue	Black
0.5	100-395-PK10	-	-	-
1	100-310-PK10	100-315-PK10	100-325-PK10	100-350-PK10
2	100-311-PK10	100-316-PK10	100-326-PK10	100-360-PK10
3	100-312-PK10	100-317-PK10	100-327-PK10	100-371-PK10
4	100-357-PK10	100-358-PK10	100-364-PK10	-
5	100-314-PK10	100-319-PK10	100-329-PK10	100-373-PK10
6	100-318	-	100-334	-
8	100-352	-	100-355	-
10	100-335	100-338	100-344	-
15	100-336	100-339	100-345	-
20	100-337	100-340	100-346	-

Length (M)	Green	Yellow	White
0.5	-	-	100-415-PK10
1	100-320-PK10	100-330-PK10	100-416-PK10
2	100-321-PK10	100-331-PK10	100-417-PK10
3	100-322-PK10	100-332-PK10	-
4	-	-	-
5	100-324-PK10	100-333-PK10	-
6	100-323	100-351	-
8	-	100-356	-
10	100-341	100-347	-
15	100-342	100-348	-
20	100-343	100-349	-

***ETL** - This product range has been tested by ETL and found to comply with ANSI/TIA-568-B.2-1 Category 6, June 2002. For copies of test certification please contact your local Excel distributor, or visit www.excel-networking.com.*

- ***Supplied in packs of 10 where the product code ends –PK10***

CAT6

Excel Category 6 Unscreened Twisted Pair (U/UTP) – Solid Patch Leads Booted – LSOH

Excel Category 6 solid conductor 4 pair U/UTP booted patch leads are manufactured for use as harness or equipment link cables. Solid cables provide better performance over the longer lengths that this type of application often requires, whilst solid conductors are easier and more suited to IDC termination at the distribution end of the equipment link.

Available in two lengths, the items can be cut in to shorter single ended cables as required.

Features

- Manufactured from Excel independently verified part no. 100-071
- Ideal for equipment and harness links
- LSOH outer sheath
- Blade style 'slimline' moulded strain relief boot with clip protector
- Lifetime product warranty
- 25 year system warranty available

Description	Part Number
Category 6 Solid 20m Patch Lead LSOH - Violet	100-369
Category 6 Solid 30m Patch Lead LSOH - Violet	100-370

Excel Category 6 Screened Twisted Pair (F/UTP) – Patch Leads Booted

Excel Category 6 Stranded Conductor 4 Pair F/UTP booted patch leads are manufactured from enhanced performance patch cable and RJ45 connectors. Both the outer sheath and boots are LSOH as standard.

Features

- LSOH outer sheath
- Lifetime warranty
- Performance matched to Excel Category 6 connecting hardware
- Available in a choice of colours
- Individually bagged
- Blade style 'slimline' moulded strain relief boot with clip protector
- 25 Year system warranty

Length (M)	Grey	Red	Green	Blue	Yellow
1	100-435	100-438	100-441	100-444	100-447
3	100-436	100-439	100-442	100-445	100-448
5	100-437	100-440	100-443	100-446	100-449

NB. Coloured patch leads are subject to lead times. Please contact the Sales Office for further details.

NEW DESIGN excel Slimline 'blade style' strain relief boot

Excel Category 6 Unscreened RJ45 Patch Panels

This range of panels have been designed to meet or exceed the latest ISO and TIA requirements for category 6 compliance. When installed with Excel Category 6 cables and outlets full link and channel compliance can also be achieved.

Product design is based around the established Category 5e range and provide quick and easy termination using LSA compatible tooling. Ample cable tie positions are provided per block of 8 outlets, to ensure a neat method for cable management.

Features

- Choice of port density
- Lifetime product warranty
- 25 year system warranty available
- Cage nuts and 1-96 label kit included
- Integral rear cable management

Description	Part Number
Category 6 24 Port 1U Black Patch Panel	100-304
Category 6 48 Port 2U Black Patch Panel	100-306

Excel Category 6 Unscreened RJ45 Right Angle Patch Panel

Available in 24 or 48 port options the Excel right angled patch panel represents a cost effective category 6 solution with integral rear cable management. Both occupy 1U position and present LSA compatible termination IDCs that are horizontal to the panel facia to allow quick and easy cable installation. The 48 port version uses a double deck design to facilitate two sets of 24 ports to be installed.

Features

- Lifetime product warranty
- 25 year system warranty available
- Cage nuts and 1-96 self adhesive label kit included
- Integral rear cable management

Description	Part Number
Category 6 24 Port 1U Right Angle Black Patch Panel	100-302
Category 6 48 Port 1U Right Angle Black Patch Panel	100-394

Excel Plus – Category 6 Unscreened RJ45 Patch Panels

The Excel Plus high density patch panel combines the proven quality and performance of the existing range with enhanced aesthetics and labelling system. 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.

Features

- Enhanced slide label system
- Lifetime product warranty
- 25 year system warranty available
- Cage nuts and 1-96 label kit included

Description	Part Number
Category 6 24 Port 1U Black Patch Panel	100-372

Excel Category 6 Screened RJ45 Patch Panel

The Excel Category 6 Screened Patch Panel has been designed to meet or exceed the latest ISO and TIA requirements for category 6 compliance. When installed with Excel Category 6 Screened cables and outlets full link and channel compliance can also be achieved.

Features

- Supplied with fixing kit, earth kit and 1-96 self adhesive labelling
- Category 6 compliant
- Built in rear cable management
- Suitable for LSA compatible tooling.
- Lifetime product warranty
- 25 year system warranty available

Description	Part Number
Category 6 24 Port 1U Black Patch Panel	100-013

Excel Category 6 Unscreened RJ45 Module

This range of outlets have been designed to meet or exceed the latest ISO and TIA requirements for category 6 compliance. When installed with Excel Category 6 cables and patch panels full link and channel compliance can also be achieved. These outlets also provide backward compatibility with the Category 5 and 5e systems.

Product design is based around the established Category 5e module and provide quick and easy termination using LSA compatible tooling. Port identification can be completed by use of either the integral slide label or simple application of an adhesive icon.

Features

- Built in slide label system
- Fits 27mm back box when used with bevelled faceplate
- Cut out dimensions 44.96 x 25.00mm
- Lifetime product warranty
- 25 year system warranty available

Description	Part Number
Category 6 RJ45 White Module	100-300
Category 6 RJ45 Black Module	100-298

Excel Category 6 Unscreened RJ45 Module – Low Profile

This range of outlets has been designed to meet or exceed the latest ISO and TIA requirements for category six compliance. When installed with excel category 6 cables and patch panels full link and channel compliance can also be achieved. These outlets also provide backward compatibility with category 5 and 5e systems. Product design is based around the established category 5e modules and provides quick and easy termination using LSA compatible tooling. Port identification can be completed by use of the integral slide label or simple application of an adhesive icon.

Features

- Category 6 compliant
- Overall dimensions 50x25mm
- Fits 27mm back box when used with bevelled faceplate
- Overall depth 21mm
- Built in slide label system
- Choice of colours
- Lifetime product warranty
- 25 year system warranty available

Description	Part Number
Category 6 RJ45 White Low Profile Module	100-366
Category 6 RJ45 Black Low Profile Module	100-366-BK

FACEPLATES & SHUTTERS excel Turn to page 60 for details

Excel Office Category 6 Unscreened RJ45 Module - Low Profile

The Office Excel Category 6 Unscreened RJ45 low profile module has been designed to be used in conjunction with the Office Hardware Mounting Range (see page 61). The outlet exceeds the latest ISO and TIA requirements for category 6 compliance and when installed with excel category 6 cables and patch panels a full link and channel compliance can also be achieved. These outlets also provide backward compatibility with category 5 and 5e systems. The product provides quick and easy termination using LSA compatible tooling. Port identification can be completed by use of the integral slide label or simple application of an adhesive icon.

Features

- Category 6 compliant
- Colour matches the Office Mounting Hardware Range
- Overall dimensions 50x25mm
- Fits 27mm back box when used with bevelled faceplate
- Overall depth 21mm
- Built in slide label system
- Lifetime product warranty
- 25 year system warranty available

Description	Part Number
Excel Office Category 6 Unscreened Module – Low Profile	100-276

Excel Category 6 Unscreened RJ45 Module - 6c Low Profile

Excel Category 6, low profile 6c unscreened modules are manufactured and tested to the TIA/EIA 568-B.2-1, EN50173-1 and ISO/IEC 11801.2 Category 6 specifications. Each shuttered module is supplied with a slide label field for use of self adhesive or further labelling if required. Termination can be made using LSA compatible tooling. The Excel 6c Low Profile module has been specifically designed to fit the cutouts in metal floor box plates. They are therefore not recommended for use with the 6c faceplates and do not have an exact colour match.

These outlets also provide backward compatibility with the Category 5 and 5e systems.

Features

- Category 6 compliant
- 25 Year System Warranty
- Power Sum Compliant
- Low Profile Design - Overall Depth 19.65mm
- Ideal for Floor Box
- LSA Style Termination Blocks
- Overall dimensions 37 x 22mm

Description	Part Number
Category 6, 6c White Module, Low Profile	100-297

Excel Category 6 Unscreened RJ45 Module – 6c

Excel Category 6 6c modules are ideal for floor box installations. The compact two piece design allows for a fast and easy installation and results in a low profile finish.

Features

- Overall dimensions 37 x 22mm
- Built in slide label system
- Lifetime product warranty
- Choice of colours
- 25 year system warranty available

Description	Part Number
Category 6 RJ45 White 6c Module	100-301
Category 6 RJ45 Black 6c Module	100-301-BK

FACEPLATES & SHUTTERS excel Turn to page 60 for details

Excel Category 6 Unscreened RJ45 Module – 3 in 1

The Excel 3 in 1 module offers the ultimate in flexibility, space utilisation and ease of installation. The totally modular design allows the mounting of up to 3 shuttered RJ45 ports in a standard flat or bevelled single gang faceplate, or up to 6 in a double gang facia.

The unique design means that you only load shuttered outlets as required, any capacity within the plate which is required for a later date is simply blanked off, providing a neat and easy to use completed installation. Individual port labelling is also quick and easy with standard Excel outlet slide in fields incorporated into the design.

Features

- High density design
- Individual snap in modules
- Fit standard Excel faceplates
- LSA compatible IDC
- Individual port slide labelling system
- Module dimensions 16.65 x 50.00mm
- Lifetime product warranty
- 25 year system warranty available

HIGH DENSITY excel More outlets per faceplate

Description	Part Number
Category 6 Single Shuttered Module	100-430
Full Width Blank (equal to width of module)	100-407
Half Width Blank (equal to half width of module)	100-409
3 in 1 Assembly, 3 modules in a single gang bevelled plate	100-432

Excel Category 6 Unscreened Keystone Jack Outlets

The Excel Keystone jack outlets provide an alternative to the one piece shuttered module range. Suitable for mounting in a range of faceplates, shutters and a 1U 24 port frame*, these jacks are quick and easy to install.

Features

- Category 6 Compliant
- IDC point at 90˚ to jack
- Choice of colour
- Mounts in either panel frame* or shutter
- Lifetime product warranty
- 25 year system warranty available

Description	Part Number
Category 6 RJ45 White Keystone Jack	100-011
Category 6 RJ45 Black Keystone Jack	100-011-BK
Compatible Patch Panel Frames	
Unloaded 16 port Black Patch Panel Frame - Plastic Fascia	100-025
Unloaded 24 port Black Patch Panel Frame - Plastic Fascia	100-026
Unloaded 16 port Chrome Patch Panel Frame	100-027
Unloaded 24 port Chrome Patch Panel Frame	100-028

***3P** - This product range has been tested by 3P and found to comply with 2nd edition ISO/IEC Generic Cabling Standard 11801, CENELEC EN 50173-1:2007, ANSI/TIA/EIA. 568-B. 2-1, IEC 60603-7-4 and IEC 605/2-26-100. For copies of test certification please contact your local Excel distributor, or visit www.excel-networking.com.*

See page 60 for full specification and features of compatible shutters and page 28 for compatible patch panel frames.

CAT6

Excel Category 6 Unscreened Keystone Jack – Toolless

The Excel Category 6 unscreened Keystone Jack, is an independently verified toolless termination RJ45 socket suitable for mounting in range of housings from patch panels, faceplates and shutters to sub floor boxes, and work area distribution enclosures. The socket itself is housed in a high quality ABS plastic housing, which opens at the rear in a butterfly manner to reveal the IDC termination points. Once the conductors of the cable to be terminated are fed into a wire cap the process is completed by snapping the 'butterfly wings' together with minimal, but firm pressure. A choice of Patch Panel frames with either 16 or 24 port density in both black and chrome are available.

Features

- Category 6 compliant
- Two piece, easy to use design
- Toolless termination
- Suitable for patch panel and faceplate mounting
- Suitable for installation in 37mm deep back box with bevelled faceplate
- Lifetime Product Warranty
- 25 year system warranty

Description	Part Number
Category 6 Unscreened Butterfly Style Toolless Keystone Jack - White	100-211
Category 6 Unscreened Butterfly Style Toolless Keystone Jack - Black	100-212
Compatible Patch Panel Frames	
Unloaded 16 port Black Patch Panel Frame - Plastic Fascia	100-025
Unloaded 24 port Black Patch Panel Frame - Plastic Fascia	100-026
Unloaded 16 port Chrome Patch Panel Frame	100-027
Unloaded 24 port Chrome Patch Panel Frame	100-028
RiT EPV™ UTP Keystone Patch Panel	R3260080

***ETL** - This product range has been tested by ETL and found to comply with ANSI/TIA-568-B.2-1 Category 6. For copies of test certification please contact your local Excel distributor, or visit www.excel-networking.com.*

See page 60 for full specification and features of compatible shutters and page 28 for compatible patch panel frames. See Intelligent Infrastructure Management section, pages 65-72 for details on RiT EPV™.

FACEPLATES & SHUTTERS excel Turn to page 60 for details

Excel Category 6 Unscreened Angled Keystone Jack – Toolless

NEW excel

The Excel Category 6 Unscreened angled Keystone Jack, is an independently verified toolless termination RJ45 socket suitable for mounting patch panels. The angled design of the socket face makes this product ideal for high density frames. Traditional horizontal patch cable management bars can be removed or reduced in number as the leads follow a natural route to the left or right of the panel and the cabinet's vertical management. To the rear of the socket the design is exactly the same as the Excel keystone range, enabling standard termination and cable dressing practices to be followed. The socket itself is housed in a high quality ABS plastic housing, which opens at the rear in a butterfly manner to reveal the IDC termination points. Once the conductors of the cable to be terminated are fed into a wire cap the process is completed by snapping the 'butterfly wings' together with minimal, but firm pressure.

Features

- Category 6 compliant
- Forms Angled Cat 6 Patch Panel when used with part number 100-023
- Two piece, easy to use design
- Toolless termination design
- Suitable for patch panel mounting
- 25 year system warranty
- Ideal for high density cabling installations

Description	Part Number
Category 6 Unscreened Butterfly Style Toolless Angled Jack - Black	100-213
Compatible Patch Panel Frames	
Unloaded 24 Port Black Angled Keystone Frame	100-023
Unloaded 24 Port Chrome Angled Keystone Frame	100-024

See page 30 for full specification and features of compatible patch panel frames.

Excel Category 6 Screened Keystone Jack – Toolless

The Excel Category 6 Screened Keystone Jack, is an independently verified toolless termination RJ45 socket suitable for mounting in range of housings from patch panels, faceplates and shutters to sub floor boxes, and work area distribution enclosures. 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 conductors of the cable to be terminated are fed into a management cap the process is completed by snapping the 'butterfly wings' together with minimal, but firm pressure.

Features

- Category 6 compliant
- High quality die cast housing
- Toolless termination design
- Suitable for patch panel and faceplate mounting
- Suitable for installation in 37mm deep back box with bevelled faceplate
- Lifetime Product Warranty
- 25 year system warranty
- 360° Shielding protects against alien crosstalk
- EC Verified

Description	Part Number
Category 6 Screened Butterfly Style Toolless Keystone Jack	100-210
Compatible Patch Panel Frames	
Unloaded 16 port Black Patch Panel Frame - Plastic Fascia	100-025
Unloaded 24 port Black Patch Panel Frame - Plastic Fascia	100-026
Unloaded 16 port Chrome Patch Panel Frame	100-027
Unloaded 24 port Chrome Patch Panel Frame	100-028
RiT EPV™ STP Keystone Patch Panel	R3260081

EC verified. *This product has been tested by the Delta EC Cabling Group and complies with the following standards ISO/IEC 11801 2nd edition:2002, ISO/IEC 11801 amendment 2:2010 50173:2007, ANSI/TIA-568-C.2 and IEC 60603-7-5. For copies of test certification please contact your local Excel distributor, or visit www.excel-networking.com or www.delta.dk.*

See page 60 for full specification and features of compatible shutters and page 28 for compatible patch panel frames. See Intelligent Infrastructure Management section, pages 65-72 for details on RiT EPV™.

FACEPLATES & SHUTTERS excel Turn to page 60 for details

Excel Category 6 Screened Angled Keystone Jack – Toolless

The Excel Category 6 screened angled Keystone Jack, is an independently verified toolless termination RJ45 socket suitable for mounting patch panels. The angled design of the socket face makes this product ideal for high density frames. Traditional horizontal patch cable management bars can be removed or reduced in number as the leads follow a natural route to the left or right of the panel and the cabinet's vertical management. To the rear of the socket the design is exactly the same as the Excel keystone range, enabling standard termination and cable dressing practices to be followed. 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 conductors of the cable to be terminated are fed into a management cap, the process is completed by snapping the 'butterfly wings' together with minimal, but firm pressure.

NEW excel

Features

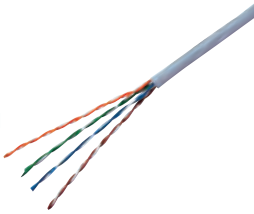
- Category 6 compliant
- Forms Angled Cat 6 Patch Panel when used with part number 100-024
- Two piece, easy to use design
- Toolless termination design
- Suitable for patch panel mounting
- 25 year system warranty
- Ideal for high density cabling installations

Description	Part Number
Category 6 Screened Butterfly Style Toolless Angled Jack - Chrome	100-214
Compatible Patch Panel Frames	
Unloaded 24 Port Chrome Angled Keystone Frame	100-024
Unloaded 24 Port Black Angled Keystone Frame	100-023

EC verified. *This product has been tested by the Delta EC Cabling Group and complies with the following standards - ISO/IEC 11801:2002 2nd edition, FDAM ISO/IEC 11801 amendment 2:2009, EN 50173:2007 and ANSI/TIA-568-C.2. For copies of test certification please contact your local Excel distributor, or visit www.excel-networking.com or www.delta.dk.*

See page 30 for full specification and features of compatible patch panel frames.

Excel Category 5e Unscreened Twisted Pair (U/UTP) Cable



Excel solid conductor Category 5e is a 4 pair U/UTP cable which conforms to the enhanced performance Category 5 specification. Two 305mtr boxes are supplied in a strong outer carton, clearly marked for on site identification. The outer carton provides protection for both the cable and inner packaging, and allows for easy storage, stacking and movement of goods. When installing simply remove the perforated letter carton strip from the box front and pull two cables as normal from the box. Where necessary the outer carton can be discarded and the inner - standard 305mtr reelex boxes - utilised.

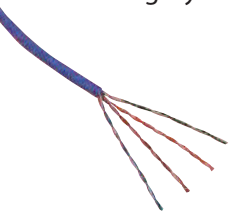
Features

- Category 5e Compliant
- Power Sum Compliant
- Tested for FEXT And Return Loss
- 305 Metre Fast Feed Box
- 305 to 0 metre marking helps to reduce waste
- Lifetime product warranty
- 25 year system warranty available

Description	Part Number
Category 5e Cable Grey	100-065

EC verified. *This product has been tested by the Delta EC Cabling Group and complies with the following standards - ISO/IEC 11801 2nd edition:2002 and IEC 61156-5: Edition 2.0 2009-02, ISO/IEC 11801 Amendment 2:2010, EN 50173:2007 and ANSI/TIA-568-C.2. For copies of test certification please contact your local Excel distributor, or visit www.excel-networking.com or www.delta.dk.*

Excel Category 5e Unscreened Twisted Pair (U/UTP) Cable – LSOH



Excel solid conductor 4 pair U/UTP cable with a low smoke zero halogen outer sheath. Two 305mtr boxes are supplied in a strong outer carton, clearly marked for on site identification. The outer carton provides protection for both the cable and inner packaging, and allows for easy storage, stacking and movement of goods. When installing simply remove the perforated letter carton strip from the box front and pull two cables as normal from the box. Where necessary the outer carton can be discarded and the inner - standard 305mtr reelex boxes - utilised.

Features

- Category 5e Compliant
- Power Sum Next
- Choice of colour
- 305 Metre Fast Feed Box
- 305 to 0 metre marking helps to reduce waste
- Lifetime product warranty
- 25 year system warranty available

Description	Part Number
Category 5e LSOH Cable Violet	100-066
Category 5e LSOH Cable White	100-060
Category 5e LSOH Cable Red	100-061
Category 5e LSOH Cable Blue	100-062
Category 5e LSOH Cable Green	100-063
Category 5e LSOH Cable Yellow	100-064
Category 5e LSOH Cable Orange	100-057

RANGE EXTENDED excel 7 colours now available

Excel Category 5e Unscreened Twisted Pair (U/UTP) Cable – External Grade

Excel solid conductor 4 pair U/UTP cable with a black polyethylene outer sheath, for outdoor use.

Features

- Category 5e Compliant
- UV Resistant
- Duct Grade
- 305 Metre Fast Feed Box
- Lifetime product warranty
- 25 year system warranty available

Description	Part Number
Category 5e External Grade Cable Black	100-090

NOW AVAILABLE excel Category 6 version - see page 31

CAT5e

Excel Category 5e Unscreened Twisted Pair (U/UTP) – Patch Leads Booted – LSOH

Excel stranded conductor 4 pair U/UTP booted patch leads are available in various colours with matching strain relief boots. Supplied in packs of 10 for lengths up to 5m. For lengths of 6m and greater the patch leads are supplied individually.

Features

- Category 5e Compliant
- Choice Of Colours Up To 20 Metre
- T568B Wiring
- Blade style 'slimline' moulded strain relief boot with clip protector
- LSOH outer sheath

Length (M)	Grey	Red	Blue	Black	Green
0.5	BB0.5MPLGE-PK10	BB0.5MPLRD-PK10	BB0.5MPLBU-PK10	BB0.5MPLBK-PK10	BB0.5MPLGN-PK10
0.75	BB0.75MPLGE-PK10	BB0.75MPLRD-PK10	BB0.75MPLBU-PK10	BB0.75MPLBK-PK10	BB0.75MPLGN-PK10
1	BB001MPLGE-PK10	BB001MPLRD-PK10	BB001MPLBU-PK10	BB001MPLBK-PK10	BB001MPLGN-PK10
1.5	BB015MPLGE-PK10	BB015MPLRD-PK10	BB015MPLBU-PK10	BB015MPLBK-PK10	BB015MPLGN-PK10
2	BB002MPLGE-PK10	BB002MPLRD-PK10	BB002MPLBU-PK10	BB002MPLBK-PK10	BB002MPLGN-PK10
3	BB003MPLGE-PK10	BB003MPLRD-PK10	BB003MPLBU-PK10	BB003MPLBK-PK10	BB003MPLGN-PK10
4	BB004MPLGE-PK10	BB004MPLRD-PK10	BB004MPLBU-PK10	BB004MPLBK-PK10	BB004MPLGN-PK10
5	BB005MPLGE-PK10	BB005MPLRD-PK10	BB005MPLBU-PK10	BB005MPLBK-PK10	BB005MPLGN-PK10
6	BB006MPLGE	BB006MPLRD	BB006MPLBU	-	BB006MPLGN
7	BB007MPLGE	BB007MPLRD	BB007MPLBU	BB007MPLBK	BB007MPLGN
8	BB008MPLGE	BB008MPLRD	BB008MPLBU	-	BB008MPLGN
10	BB010MPLGE	BB010MPLRD	BB010MPLBU	BB010MPLBK	BB010MPLGN
15	BB150MPLGE	BB150MPLRD	BB150MPLBU	BB150MPLBK	BB150MPLGN
20	BB200MPLGE	BB200MPLRD	BB200MPLBU	-	BB200MPLGN
25	BB250MPLGE	-	-	-	-
30	BB300MPLGE	-	-	-	-

- *Supplied in packs of 10 where the product code ends –PK10*

NEW DESIGN excel LSOH outer sheath as standard

EC VERIFIED DELTA

More colours overleaf

Excel Category 5e Unscreened Twisted Pair (U/UTP) – Patch Leads Booted – LSOH

Length (M)	Yellow	Violet	White	Orange	Pink
0.5	BB0.5MPLYW-PK10	BB0.5MPLVT-PK10	BB0.5MPLWT-PK10	BB0.5MPLOR-PK10	-
0.75	BB0.75MPLYW-PK10	BB0.75MPLVT-PK10	-	BB0.75MPLOR-PK10	-
1	BB001MPLYW-PK10	BB001MPLVT-PK10	BB001MPLWT-PK10	BB001MPLOR-PK10	BB001MPLPK-PK10
1.5	BB015MPLYW-PK10	BB015MPLVT-PK10	BB015MPLWT-PK10	BB015MPLOR-PK10	-
2	BB002MPLYW-PK10	BB002MPLVT-PK10	BB002MPLWT-PK10	BB002MPLOR-PK10	BB002MPLPK-PK10
3	BB003MPLYW-PK10	BB003MPLVT-PK10	BB003MPLWT-PK10	BB003MPLOR-PK10	BB003MPLPK-PK10
4	BB004MPLYW-PK10	BB004MPLVT-PK10	-	BB004MPLOR-PK10	-
5	BB005MPLYW-PK10	BB005MPLVT-PK10	BB005MPLWT-PK10	BB005MPLOR-PK10	BB005MPLPK-PK10
6	BB006MPLYW	BB006MPLVT	BB006MPLWT	-	-
7	BB007MPLYW	BB007MPLVT	-	-	-
8	BB008MPLYW	-	-	BB008MPLOR	-
10	BB010MPLYW	BB010MPLVT	BB010MPLWT	BB010MPLOR	-
15	BB150MPLYW	BB150MPLVT	BB150MPLWT	-	-
20	BB200MPLYW	-	-	-	-
25	-	-	BB250MPLWT	-	-
30	-	-	BB300MPLWT	-	-

- *Supplied in packs of 10 where the product code ends –PK10*

NEW DESIGN excel LSOH outer sheath as standard

Excel Category 5e Screened Twisted Pair (F/UTP) Cable

Excel Solid Conductor 4 pair F/UTP is a high performance Category 5e compliant cable suitable for installations where high levels of EMI and RFI could be present.

Features

- Category 5e Compliant
- 305 Metre Fast Feed Box
- 100% Aluminium Foil Tape screen
- PVC or LSOH Outer Sheath
- Lifetime product warranty
- 25 year system warranty available

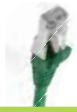
Description	Part Number
Category 5e Cable Grey	100-216
Category 5e LSOH Cable Violet	100-217

Excel Category 5e Screened Twisted Pair (F/UTP) – Patch Leads Booted

Excel Stranded Conductor 4 pair F/UTP patch leads are available in various colours and are manufactured from UL verified cable.

Features

- Category 5e compliant
- Individually bagged
- Choice of colours in 1, 3 and 5 Metre
- Blade style 'slimline' moulded strain relief boot with clip protector
- 100% aluminium foil tape screen



Length (M)	Grey	Red	Blue	Green	Yellow
0.5	BBS0.5MPLGE-PK10	-	-	-	-
1	BBS001MPLGE-PK10	BBS001MPLRD-PK10	BBS001MPLBU-PK10	BBS001MPLGN-PK10	-
2	BBS002MPLGE-PK10	-	-	-	-
3	BBS003MPLGE-PK10	BBS003MPLRD-PK10	BBS003MPLBU-PK10	BBS003MPLGN-PK10	BBS003MPLYW-PK10
10	BBS010MPLGE	-	-	-	-

- ***Supplied in packs of 10 where the product code ends –PK10***

NEW DESIGN excel Slimline 'blade style' strain relief boot

Excel Category 5e Unscreened RJ45 Patch Panels – Black

Excel Category 5e patch panels comply with the EIA TIA Standard for enhanced Category 5 and are available in a choice of port density. 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 which is enclosed with each panel. Ease of installation is assured with ample rear cable management positions and IDC blocks allowing use of Krone tooling.

Features

- Category 5e Compliant
- Choice of Port Density
- Choice of Labelling System
- Lifetime product warranty
- 25 year system warranty available
- Cage nuts and 1-96 self adhesive label kit included

Description	Part Number
Category 5e 16 Port 1U Black Patch Panel	100-720
Category 5e 24 Port 1U Black Patch Panel	100-726
Category 5e 32 Port 2U Black Patch Panel	100-722
Category 5e 48 Port 2U Black Patch Panel	100-728

Excel Category 5e Unscreened RJ45-RJ45 Through Coupler Panels - Black

Excel Category 5e through coupler panels present a standard RJ45 connector to both the front and rear of the panel, and are ideal for temporary or emergency cabling installations as they can be installed in a matter of minutes. They can also be installed as equipment link panels.

Features

- Quick and simple to install
- Category 5e compliant
- Lifetime product warranty
- 25 year system warranty available
- Cage nuts and 1-96 label kit included

Description	Part Number
Category 5e 24 Port 1U Black Patch Panel Through Coupler - RJ45 to RJ45	100-309

Excel Plus – Category 5e Unscreened RJ45 Patch Panels

The Excel Plus high density patch panel combines the proven quality and performance of the existing range with enhanced aesthetics and labelling system. 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.

Features

- Enhanced slide label system
- Lifetime product warranty
- 25 year system warranty available
- Cage nuts and 1-96 self adhesive label kit included

Description	Part Number
Category 5e 24 Port 1U Black Patch Panel	100-470

Excel Category 5e Unscreened Right Angle RJ45 Patch Panels

Available in 24 or 48 port options the Excel right angled patch panel represents a cost effective category 5e solution with integral rear cable management. Both occupy 1U position and present LSA compatible termination IDCs that are horizontal to the panel facia to allow quick and easy cable installation. The 48 port version uses a double deck design to facilitate two sets of 24 ports to be installed.

Features

- Built in rear cable management
- Lifetime product warranty
- 25 year system warranty available
- Cage nuts and 1-96 self adhesive label kit included
- Uses Excel Punchdown Tool – BT Ref 2A

Description	Part Number
Category 5e 24 Port 1U Right Angle Black Patch Panel	100-460
Category 5e 48 Port 1U Right Angle Black Patch Panel	100-497

Excel Plus – Category 5e Unscreened Right Angle RJ45 Patch Panels

The Excel Plus high density patch panel combines the proven quality and performance of the existing range with enhanced aesthetics and labelling system. 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.

To make installation as easy and fast as possible, the LSA compatible termination blocks are positioned at a right angle to the panel front on the built in rear cable management tray.

Features

- Enhanced slide label system
- Lifetime product warranty
- 25 year system warranty available
- Cage nuts and 1-96 self adhesive label kit included

Description	Part Number
Category 5e 24 Port 1U Right Angle Black Patch Panel	100-490

Excel Category 5e Screened Right Angle RJ45 Patch Panels

Excel High Density Screened Patch Panels have 24 RJ45 ports in 1u, IDC termination blocks are positioned at 90° to the sockets which allows for fast and easy termination.

Features

- Category 5e Compliant
- Screen Printed Label System
- Built In Rear Cable Management
- Lifetime product warranty
- 25 year system warranty available
- Cage nuts and 1-96 self adhesive label kit included

Description	Part Number
Category 5e 24 Port 1U Black Patch Panel	100-736

Excel Category 5e Unscreened RJ45 Modules

Excel Category 5e RJ45 modules comply with the standard for enhanced Category 5. Each shuttered module is supplied with a slide label field and space above, this is allowed for use of self adhesive or further labelling if required. Termination can be made using Krone tooling, a cable tie base is positioned between the IDC blocks to relieve cable stress.

Features

- Category 5e Compliant
- Overall dimensions 50 x 25mm
- Cut out dimensions 44.96 x 25mm, Standard and Low Profile module
- Built in slide label system
- Fits 27mm back box when used with bevelled faceplate
- Lifetime product warranty
- 25 year system warranty available

Description	Part Number
Category 5e RJ45 White Module	100-700

Excel Category 5e Unscreened RJ45 Plastic Faceplates – Loaded

Excel Pre Loaded Single Gang Faceplates consist of either one or two of part numbers 100-700 and Excel bevelled faceplate, with blanks where appropriate. Supplied in a sealed bag these plates save time and money by reducing on site installation and assembly time.

Features

- Category 5e Compliant
- Fits 27mm back box when used with bevelled faceplate
- Built in slide label system
- Lifetime product warranty
- 25 year system warranty available

Description	Part Number
Category 5e 1 x RJ45 White Module c/w Bevelled Plate and Blanks	100-702
Category 5e 2 x RJ45 White Modules c/w Bevelled Plate	100-704

FACEPLATES & SHUTTERS excel Turn to page 60 for details

Excel Category 5e Unscreened RJ45 Modules – 3 in 1

The Excel 3 in 1 module offers the ultimate in flexibility, space utilisation and ease of installation. The totally modular design allows the mounting of up to 3 shuttered RJ45 ports in a standard flat or bevelled single gang faceplate, or up to 6 in a double gang facia.

The unique design means that you only load shuttered outlets as required, any capacity within the plate which is required for a later date is simply blanked off, providing a neat and easy to use completed installation. Individual port labelling is also quick and easy with standard Excel outlet slide in fields incorporated into the design.

Features

- High density design
- Individual snap in modules
- Fit standard Excel faceplates
- Individual port slide labelling system
- Module dimensions 16.65 x 50.00mm
- LSA compatible IDC
- Lifetime product warranty
- 25 year system warranty available

Description	Part Number
Category 5e Single Shuttered RJ45 Module	100-405
Full width blank (equal to width of module)	100-407
Half width blank (equal to half width of module)	100-409
3 in 1 assembly, 3 modules in a single gang bevelled plate	100-411

HIGH DENSITY excel More outlets per faceplate

Excel Category 5e Unscreened RJ45 Module – Low Profile

Excel Category 5e RJ45 modules comply with the EIA TIA Standard for enhanced Category 5. Each shuttered module is supplied with a slide label field and space above, this is allowed for use of self adhesive or further labelling if required. Termination can be made using Krone tooling, a cable tie base is positioned to the side of the IDC blocks to relieve cable stress.

Features

- Category 5e Compliant
- Overall dimensions 50 x 25mm
- Fits 27mm back box when used with bevelled faceplate
- Overall depth 21mm
- Built in slide label system
- Lifetime product warranty
- 25 year system warranty available

Description	Part Number
Category 5e RJ45 White Low Profile Module	100-760
Category 5e RJ45 Black Low Profile Module	100-763

Excel Office Category 5e Unscreened RJ45 Module - Low Profile

The Office Excel Category 5e Unscreened RJ45 low profile module has been designed to be used in conjunction with the Office Hardware Mounting Range (see page 61). Excel Category 5e Low Profile RJ45 modules comply with the standards for enhanced Category 5. The product provides quick and easy termination using LSA compatible tooling. Port identification can be completed by use of the integral slide label or simple application of an adhesive icon.

Features

- Category 5e compliant
- Colour matches the Office Mounting Hardware Range
- Overall dimensions 50x25mm
- Fits 27mm back box when used with bevelled faceplate
- Overall depth 21mm
- Built in slide label system
- Lifetime product warranty
- 25 year system warranty available

Description	Part Number
Excel Office Category 5e Unscreened Module – Low Profile	100-275

Excel Category 5e Unscreened Module – 6c Low Profile

Excel Category 5e, low profile 6c Unshielded Twisted Pair (U/UTP) modules comply with the standards for enhanced Category 5. Each shuttered module is supplied with a label field for use of self adhesive or further labelling if required. Termination can be made using LSA compatible tooling. The Excel 6c Low Profile module has been specifically designed to fit the cutouts in metal floor box plates. They are therefore not recommended for use with the 6c faceplates and do not have an exact colour match.

Features

- Category 5e compliant
- 25 Year System Warranty
- Power Sum Compliant
- Low Profile Design - Overall Depth 19.65mm
- Ideal for Floor Box
- LSA Style Termination Blocks
- Overall dimensions 37 x 22mm

Description	Part Number
Category 5e RJ45 White 6c Module, Low Profile	100-757

FACEPLATES & SHUTTERS excel Turn to page 60 for details

Excel Category 5e Unscreened RJ45 Module – 6c

Excel Category 5e 6c modules are ideal for floor box installations. The compact two piece design allows for a fast and easy installation and results in a low profile finish.

Features

- Independently verified to Category 5e standard
- Overall dimensions 37 x 22mm
- Built in slide label system
- Lifetime product warranty
- 25 year system warranty available

Description	Part Number
Category 5e RJ45 White 6c Module	100-758
Category 5e RJ45 Black 6c Module	100-759

Excel Category 5e Unscreened Keystone Jack Outlets

The Excel Keystone jack outlets provide an alternative to the one piece shuttered module range. Suitable for mounting in a range of faceplates, shutters and a 1u 24 port frame*, these jacks are quick and easy to install.

Features

- Category 5e Compliant
- IDC point at 90˚ to jack
- Choice of colour
- Mounts in either panel* or shutter
- Lifetime product warranty
- 25 year system warranty available

Description	Part Number
Category 5e RJ45 White Keystone Jack	100-010
Category 5e RJ45 Black Keystone Jack	100-010-BK
Compatible Patch Panel Frames	
Unloaded 16 port Black Patch Panel Frame - Plastic Fascia	100-025
Unloaded 24 port Black Patch Panel Frame - Plastic Fascia	100-026
Unloaded 16 port Chrome Patch Panel Frame	100-027
Unloaded 24 port Chrome Patch Panel Frame	100-028

See page 60 for full specification and features of compatible shutters and page 28 for compatible patch panel frames.

Excel Category 5e Unscreened Keystone Jack – Toolless

The Excel Category 5e Unscreened Keystone Jack, is a toolless termination RJ45 socket suitable for mounting in range of housings from patch panels, faceplates and shutters to sub floor boxes, and work areas distribution enclosures. The socket itself is housed in a high quality ABS plastic housing, which opens at the rear in a butterfly manner to reveal the IDC termination points. Once the conductors of the cable to be terminated are fed into a wire cap the process is completed by snapping the 'butterfly wings' together with minimal, but firm pressure. A choice of Patch Panel frames with either 16 or 24 port density in both black and chrome are available.

Features

- Category 5e Compliant
- Two piece simple to use design
- Toolless termination
- Suitable for patch panel and faceplate mounting
- Suitable for installation in 37mm deep back box with bevelled faceplate
- Lifetime Product Warranty
- 25 year system warranty

Description	Part Number
Category 5e Unscreened Butterfly Style Toolless Keystone Jack - White	100-203
Category 5e Unscreened Butterfly Style Toolless Keystone Jack - Black	100-204
Compatible Patch Panel Frames	
Unloaded 16 port Black Patch Panel Frame - Plastic Fascia	100-025
Unloaded 24 port Black Patch Panel Frame - Plastic Fascia	100-026
Unloaded 16 port Chrome Patch Panel Frame	100-027
Unloaded 24 port Chrome Patch Panel Frame	100-028
RiT EPV™ UTP Keystone Patch Panel	R3260080

***ETL** - This product range has been tested by ETL and found to comply with ANSI/TIA - 568-B.2 Category 5e. For copies of test certification please contact your local Excel distributor, or visit www.excel-networking.com.*

See page 60 for full specification and features of compatible shutters and page 28 for compatible patch panel frames.See Intelligent Infrastructure Management section, pages 65-72 for details on RiT EPV™.

FACEPLATES & SHUTTERS excel Turn to page 60 for details

Excel Voice Modules

The Euro and 6c style voice outlets have the standard Excel slide label system and an LJU right polarised socket as standard. The Euro style fits the standard Excel faceplates whereby the 6c modules can be used in most floor plates or the new Excel wall mount 6c faceplates. A left hand polarised version is available for applications requiring this design.

Features

- Euro style 50x25mm overall dimensions
- 6c style 37x22mm overall dimensions
- Fit standard Excel faceplates
- Choice of specification
- LJU socket
- Slide label system
- Lifetime product warranty
- 25 year system warranty available

Description	Part Number
Secondary Voice Module, Euro style	100-781
PABX Voice Module, Euro style	100-783
PSTN Voice Module, Euro style	100-785
Secondary Voice Module, 6c style	100-787
PABX Voice Module, 6c style	100-789

Excel Category 5e Screened RJ45 Module

Excel Category 5e RJ45 modules comply with the EIA TIA Standard for enhanced Category 5. Each shuttered module is supplied with a slide label field and space above, this is allowed for use of self adhesive or further labelling if required. Termination can be made using LSA tooling, a cable tie base is positioned between the IDC blocks to relieve cable stress.

Features

- Category 5e Compliant
- Overall dimensions 50 x 25mm
- Fits 27mm back box when used with bevelled faceplate
- Built in slide label system
- Lifetime product warranty
- 25 year system warranty available

Description	Part Number
Category 5e RJ45 White Module	100-706

FACEPLATES & SHUTTERS excel Turn to page 60 for details

Excel Category 5e Screened Keystone Jack – Toolless

The Excel Category 5e Screened Keystone Jack, is a toolless termination RJ45 socket suitable for mounting in range of housings from patch panels, faceplates and shutters to sub floor boxes, and work areas distribution enclosures. 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 conductors of the cable to be terminated are fed into a management cap the process is completed by snapping the 'butterfly wings' together with minimal, but firm pressure. A choice of Patch Panel frames with either 16 or 24 port density in both black and chrome are available.

Features

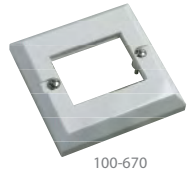
- Category 5e Compliant
- High quality die cast housing
- Toolless termination design
- Suitable for patch panel and faceplate mounting
- Suitable for installation in 37mm deep back box with bevelled faceplate
- Lifetime Product Warranty
- 25 year system warranty available
- Independently verified
- 360˚ Shielding protects against alien crosstalk

Description	Part Number
Category 5e Screened Butterfly Style Toolless Keystone Jack	100-906
Compatible Patch Panel Frames	
Unloaded 16 port Black Patch Panel Frame - Plastic Fascia	100-025
Unloaded 24 port Black Patch Panel Frame - Plastic Fascia	100-026
Unloaded 16 port Chrome Patch Panel Frame	100-027
Unloaded 24 port Chrome Patch Panel Frame	100-028
RiT EPV™ STP Keystone Patch Panel	R3260081

***ETL** - This product range has been tested by ETL and found to comply with ANSI/TIA - 568-B.2 Category 5e. For copies of test certification please contact your local Excel distributor, or visit www.excel-networking.com.*

See page 60 for full specification and features of compatible shutters and page 28 for compatible patch panel frames. See Intelligent Infrastructure Management section, page 65-72 for details on RiT EPV™.

Excel 6c Faceplates



100-670

100-672

A new range of single and double gang faceplates and associated blanks, specifically designed for the mounting of the Excel range of 6c voice and data modules.

Features

- Single and Double Gang
- Blank Plate
- Screen printing option available

Description	Part Number
Single gang plate, up to 2 outlets	100-670
Double gang plate, up to 4 outlets	100-671
Full Width Blank Plate	100-672

Excel Mounting Hardware

100-175

100-014

100-018

100-712

100-716

100-714

100-718

In addition to the standard flat Euromod – 50x25mm and 6c – 22.5x37mm – is the recommended angled shutter. Available in the standard Euromod cut out size, this housing is designed to assist in the installation of large diameter cables in confined spaces such as standard back boxes, multi compartment trunking, and floor boxes.

The design presents the keystone at 45 degrees to both the solid conductor cable being terminated, and the RJ45 patch cable to be connected to the installed socket. This design optimises the space available and ensures minimal if any stress is applied to the cables during installation or use.

Each of the shutters and blanking plates available are compatible with the range of Excel faceplates.

Euromod and 6c Shutter features

- Choice of shutter size
- Choice of faceplate
- Suitable for use with
- Category 5e, Category 6 and Category 6_A Keystone jacks

Angled Shutter features

- Choice of design
- Compatible with Excel faceplates
- Labelling field

Faceplates features

- Supplied with fixing screws
- Choice of bevelled or flat style
- Choice of blanking plates
- Screen printing option available

Description	Part Number
White Shutter to suit Keystone Jack, Angled, 50 x 25mm	100-175
White Shutter to suit Keystone Jack, 50 x 25mm	100-014
White Shutter to suit Keystone Jack, 6c, 38.5 x 25mm	100-018
Black Shutter to suit Keystone Jack, Angled, 50 x 25mm	100-175-BK
Black Shutter to suit Keystone Jack, 6c, 38.5 x 25mm	100-018-BK
Single Gang Bevelled Plate without Blanks	100-712
Single Gang Flat Plate without Blanks	100-714
Double Gang Bevelled Plate without Blanks	100-716
Double Gang Flat Plate without Blanks	100-718
Half Width (12.5mm) Blank Plate	100-715
Full Width (25mm) Blank Plate	100-719

Excel Office Mounting Hardware

The Excel Office Range brings style and enhanced aesthetics to any Excel installation, thanks to its curved plate finish and built in labelling fields.

The portfolio includes Category 5e and Category 6 Low profile modules allowing installation in shallow back boxes and dado trunking. Additionally an angled keystone shutter is available that accepts the full range of Excel Category 5e, 6 and 6_A keystone jacks. The Single and Double Gang faceplates are each supplied with two half (12.5mm wide) blanks. In the case of the Single Gang Faceplate this allows a single jack or shutter to be mounted centrally in the aperture. The two half (12.5 mm wide) blanks supplied with the Double Gang Faceplate allows spacing options for mounting three jacks or shutters in the faceplate.

The range is available in Office White or Charcoal Grey. These two colour options permit the assembly of the telecommunications outlets to contrast with the wall finish if required to comply with the Equality Act 2010 and Part M of the Building Regulations. As all of the components are available in Office White and Charcoal Grey the telecommunications outlet can comprise of any combination:

- White Shutter/Module & White Faceplate
- Grey Shutter/Module & White Faceplate
- White Shutter/Module & Grey Faceplate
- Grey Shutter/Module & Grey Faceplate

Features

- Enhanced aesthetics
- Euromod size
- Enhanced colour
- Faceplates supplied with blanks
- Curved plate finish
- Available in Office White and Charcoal Grey

Description	Part Number
Excel Office Single Gang Faceplate complete with 2 half blanks - White	100-270
Excel Office Single Gang Faceplate complete with 2 half blanks - Grey	100-270 -GE
Excel Office Double Gang Faceplate complete with 2 half blanks - White	100-271
Excel Office Double Gang Faceplate complete with 2 half blanks - Grey	100-271 -GE
Excel Office Category 5e Unscreened Module - Low Profile - White	100-275
Excel Office Category 5e Unscreened Module - Low Profile - Grey	100-275 -GE
Excel Office Category 6 Unscreened Module - Low Profile - White	100-276
Excel Office Category 6 Unscreened Module - Low Profile - Grey	100-276 -GE
Excel Office Angled Keystone Shutter 25X50 mm - White	100-280
Excel Office Angled Keystone Shutter 25X50 mm - Grey	100-280 -GE
Punchdown tool, BT reference 2A	35-480

NEW excel

Excel Mounting Hardware - Back Boxes

A range of single and double gang high quality Back Boxes.

Features

- Choice of Single or Double Gang
- Choice Of Depth

Description	Part Number
Single Gang 27mm Deep Back Box	100-612
Single Gang 32mm Deep Back Box	100-614
Single Gang 37mm Deep Back Box	100-616
Single Gang 47mm Deep Back Box	100-618
Double Gang 27mm Deep Back Box	100-619
Double Gang 37mm Deep Back Box	100-620

Excel Grid Outlet Position (GOP) Box

The Excel Grid Outlet Position (GOP) Box is available in four versions. The 4 and 6 way are each available with a 25 or 32mm flexible conduit fixing point. The range has been developed for fixing to the end of flexible conduit typically where outlets are presented in a grid layout with cable containment mounted within a raised floor system. The GOP Box then has a degree of flexibility to be positioned within the radius of the flexible conduit to suit the office layout. 25 mm and 32 mm 'L' Brackets are available to fix the other end of the flexible conduit to the floor slab. GOP Boxes are typically then attached to the underside of the desk, the flexible conduit passing through the floor tile via a grommet.

The flexible conduit fixing hole is slotted to aid cable installation. As the flexible conduit hole is part of the jack mounting metal work it ensures easy termination of the outlet while maintaining the cable management. The base has two fixing holes for mounting where required. The two parts of the box are assembled with a single machine screw. The area around the fixing hole has been left unpainted to allow an earth bonding lead to be attached if required.

GOP Boxes and 'L' Brackets are sold in packs of 10 to reduce packaging waste. The flexible conduit is sold separately.

Features

- 4 and 6 Way Versions
- 25 and 32 mm Versions
- 'L' Brackets available
- 6c aperture size
- Accepts Category 5e, Category 6 or Category 6_A
- 25 Year System Warranty

NEW excel

Specifications	CAT5e	CAT6	CAT6A
GOP Box	100-757 Excel Category 5e Unscreened Low Profile 6c Module	100-297 Excel Category 6 Unscreened Low Profile 6c Module	100-180 Excel Category 6_A Screened Keystone Jack + 100-022 Excel 6c Angled Keystone Shutter
4 Way GOP Box – 25 mm	✓	✓	
4 Way GOP Box – 32 mm	✓	✓	✓
6 Way GOP Box – 25 mm	✓		
6 Way GOP Box – 32 mm	✓	✓	

Description	Part Number
Excel 4 Way GOP Box - 25mm - Pack of 10	350-635
Excel 4 Way GOP Box - 32mm - Pack of 10	350-636
Excel 6 Way GOP Box - 25mm - Pack of 10	350-637
Excel 6 Way GOP Box - 32mm - Pack of 10	350-638
Excel 25mm Flexible Conduit Bracket - Pack of 10	750-100
Excel 32mm Flexible Conduit Bracket - Pack of 10	750-101

Excel Cable Management Bars

A wide range of 19" Vertical Cable Management bars are available.

Features

- Metal or Plastic Management Hoops
- 1 and 2U Options
- Horizontal and Vertical Hoops
- Cage Nut Set included

Description	Part Number
1U Black Bar, 4 Vertical Metal Hoops	100-582
1U Black Bar, 5 Vertical Plastic Hoops	100-586
2U Black Bar, 4 Vertical Metal Hoops	100-594

Excel Chrome Management Bar

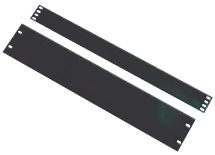
1U 19" 5 Way Chrome Cable Management Bar. Provides an aesthetically pleasing and efficient way of managing patch cords, with built in 'letter box' cut out for excess cable.

Features

- Complements the Excel Category 6_A Chrome Panel and Modules

Description	Part Number
1U 5 Way Chrome Cable Management Bar	100-031

Excel Blanking Plates and Letterbox Panels



To improve cabinet appearance Blank Plates can be installed to cover unused space. Letterbox Panels allow patch cords to be fed to or from the rear of the cabinet.

Features

- Enhances Cabinet Appearance

Description	Part Number
1U Black Blanking Plate	100-598
2U Black Blanking Plate	100-602

Intelligent Infrastructure Management

EPV™ Hardware	66
EPV™ Empty Keystone Patch Panels	67
EPV™ Category 6 Patch Cords	68
EPV™ Category 6_A Patch Cords	69
Excel Category 6 Unscreened Keystone Jack – Toolless	70
Excel Category 6 Screened Keystone Jack – Toolless	71
Excel Category 6_A Screened Keystone Jack - Toolless	72

Please check with your local Excel Sales Office or distributor for in country product availability

EPV™ Hardware

EPV™ Central

EPV™ Scout

EPV™ Controller

EPV™ is simple to install. The hardware component of the system (either EPV™ Central and EPV™ Scout or an EPV™ Controller, depending upon the topology and size of the network) connects easily to panels in the communication racks. Once this hardware is connected to the network, EPV™ is ready to start providing comprehensive, up-to-date connectivity information that's needed to manage cabling infrastructure effectively.

As an additional advantage, EPV™ can be upgraded easily to RiT's PatchView™, the industry's leading full-featured intelligent infrastructure management solution.

Features

- A software embedded application easily accessed via a web-browser
- Enables generation of guided patch cord connectivity tasks
- Immediate discovery of illegal connectivity occurrences
- Automatic email alert messages on any connectivity change
- Customisable data fields allow a customer to label their own field types to ensure full utilisation of rack connectivity
- Reveals critical information from the rack connectivity database by means of an easy-to-use search mechanism
- Utilisation panel for addressing the amount of available data ports
- History of chronological activities
- Username and password access
- The controller can support 288/576 ports per EPV™ Controller
- Manage up to 576 ports with a single EPV™ Controller or
- Manage up to 4608 ports with the EPV™ Central fitted with 8 No. EPV™ Scouts

Key Capabilities

- Simple to set up – 'plug-and-play' with no software installation required
- Up-to-date connectivity status monitored and maintained automatically in real-time
- Immediate discovery of connectivity status changes
- Data accessible on-site or remotely through a user-friendly GUI from Internet web-browsers
- Supports RiT standard intelligent connectivity components
- Easy upgrade to RiT's PatchView IIM solution
- CE, UL & RoHs compliant

Description	Part Number
EPV™ Central	R3820112
EPV™ Scout	R3820123
EPV™ Controller 12	R3820153
EPV™ Controller 24	R3820154

EPV™ Empty Keystone Patch Panels

The RiT 1U empty Keystone Patch Panel can accommodate up to 24 UTP or STP Excel Keystone Toolless Jacks. The panel has been designed for ease of installation: simply terminate the jacks and snap them into place. Different jack types may be mixed on the same panel for maximum flexibility.

Enhanced cable strain relief is provided by a cable retention tray at the back of the panel. The screened option also includes 24 leaf contacts for proper grounding requirements.

Features

- Modular design - the 1U panels accommodate up to 24 UTP or STP keystone-type jacks
- Simple assembly and installation - jacks are terminated separately and then mounted onto the panel
- Models incorporating Excel Category 6_A Screened (100-180) & Category 6 screened (100-210) and unscreened (100-211 or 100-212) Keystone Toolless Jacks
- Different jacks may be mixed on the same panel
- The STP option includes 24 leaf contacts for proper grounding requirements
- The Scanner Attachment Cords are required to connect the EPV™ Modular Keystone Panels to the EPV™ Hardwares

EPV™ Capability

- Modular Keystone 24 Port Patch Panels, when used in conjunction with RiT's EPV™ System, can scan the wiring centre configuration and subsequently report the connectivity status
- Patching information is displayed on the embedded web interface for cabling management and control
- LED indicators on panels identify any two ports patched together. Extremely useful for facilitating maintenance in small-to-mid size communication rooms which are over congested with patch cords
- LED-display guides the technician in performing Moves, Adds and Changes (MACs)

Description	Part Number
EPV™ UTP Keystone Patch Panel	R3260080
EPV™ STP Keystone Patch Panel	R3260081
Round Scanner Attachment Cord UTP 1.5m	R3814015
Round Scanner Attachment Cord UTP 2.5m	R3814025
Round Scanner Attachment Cord UTP 4m	R3814040
Round Scanner Attachment Cord UTP 6m	R3814060
Round Scanner Attachment Cord UTP 12m	R3814120

See pages 70-72 for full specification and features of compatible Excel Keystone Jacks.

EPV™ Category 6 Patch Cords

The EPV™ Category 6 Patch Cord conforms to ISO/IEC 11801 2nd edition, EN50173:2007 and ANSI/TIA-568-C for Class E/Category 6 and it's designed for high speed protocols such as ATM 622 Mbps and 1GBASE-T Gigabit Ethernet applications. The Patch Cord is comprised of a flexible patch lead cable and terminates with two modular plugs. EPV™ Category 6 Patch Cable is a 100-ohm cable designed for high data rates for indoor installations. The cable is housed in a blue, PVC jacket. An additional 26 AWG flexible, insulated conductor at the centre of the cable serves as a control wire, which carries the EPV™ scanning signal. As a result, scanning does not interfere with the data signal-carrying pairs.

At the heart of the Patch Cord is the EPV™ Category 6 Plug. The plug is designed to ensure precision wire placement, providing superior performance. With RiT's Precision Placement Technology™ (PPT), the EPV™ Category 6 Plug ensures high repeatability Cross-Talk performance. The Category 6 EPV™ Plug provides the ninth-wire connectivity with the patch panel.

Unscreened and screened versions are available to suit the installation.

Features

- EPV™ Category 6 Patch Cords are used in cross-connect EPV™ applications
- Comprise a length of nine-wire flexible patch cable, terminated with two ten position RJ45 plugs at the ends with external ninth-contact
- EPV™ Category 6 Patch Cords feature non-molded flexible boots for enhanced life and reliability
- Anti-snag latch design
- Conform to
  - ISO/IEC 11801 2nd edition
  - EN50173:2007
  - ANSI/TIA -568-C for Class E/ Category 6
- 100% tested at the factory

Design

Nominal diameter	6.0mm unscreened, 6.5mm screened
Storage Temperature	-10° to +60°C
Operating Temperature	-5° to +50°C
Flammability Test	IEC 332-1 / UL 1581 VW-1

Description	Part Number
Category 6 Patch Cord UTP 1m LSOH Blue	R3282100
Category 6 Patch Cord UTP 2m LSOH Blue	R3282200
Category 6 Patch Cord UTP 3m LSOH Blue	R3282300
Category 6 Patch Cord UTP 5m LSOH Blue	R3282500
Category 6 Patch Cord STP 1m LSOH Blue	R3283100
Category 6 Patch Cord STP 2m LSOH Blue	R3283200
Category 6 Patch Cord STP 3m LSOH Blue	R3283300
Category 6 Patch Cord STP 5m LSOH Blue	R3283500

EPV™ Category 6_A Patch Cords

The EPV™ Category 6_A STP Patch Cord conforms to ANSI/TIA/EIA-568-B.2-10, ISO/IEC 11801 2.1 edition and CENELEC EN50173 (200x) standards for Category 6_A/CLASS EA with enhanced transmission properties, supporting 10GBase-T and all other high bandwidth digital applications with low BER up to 500 MHZ bandwidth. Comprised of flexible patch cable and terminating with two modular plugs, the EPV™ Category 6_A Patch Cord is a 100 ohm cable designed for high data rates for indoor installations. The cable is housed in a blue LSZH jacket. An additional 26 AWG flexible, insulated conductor at the centre of the cable serves as a control wire, which carries the EPV™ scanning signal.

At the heart of the Patch Cord is the EPV™ Category 6_A Plug. The plug is designed to ensure precision wire placement, providing superior performance. With RiT's Precision Placement Technology™ (PPT), the EPV™ Category 6_A Plug ensures high repeatability Cross-Talk performance. The Category 6_A EPV™ Plug provides the ninth-wire connectivity with the patch panel.

Unscreened and screened versions are available to suit the installation.

Features

- EPV™ Category 6_A Patch Cords are used in cross-connect EPV™ applications
- Comprise a length of nine-wire flexible patch cable, terminated with two fully shielded RJ45 plugs at each end with external ninth-contact
- The EPV™ Category 6_A Patch Cords feature non-molded flexible boots for enhanced life and reliability
- Conform to
  - ISO/IEC 11801 2nd edition
  - EN50173:2007
  - ANSI/TIA -568-C for Class EA/ Category 6_A/
- 100% tested at the factory

Design

Nominal diameter	6.0mm unscreened, 6.5mm screened
Storage Temperature	-10° to +60°C
Operating Temperature	-5° to +50°C
Flammability Test	IEC 332-1 / UL 1581 VW-1

Description	Part Number
Category 6_A Patch Cord UTP 2m LSOH Blue	R3269200
Category 6_A Patch Cord UTP 3m LSOH Blue	R3269300
Category 6_A Patch Cord UTP 5m LSOH Blue	R3269500
Category 6_A Patch Cord STP 2m LSOH Blue	R3270200
Category 6_A Patch Cord STP 3m LSOH Blue	R3270300
Category 6_A Patch Cord STP 5m LSOH Blue	R3270500

Excel Category 6 Unscreened Keystone Jack – Toolless

The Excel Category 6 unscreened Keystone Jack, is an independently verified toolless termination RJ45 socket suitable for mounting in range of housings from patch panels, faceplates and shutters to sub floor boxes, and work area distribution enclosures. The socket itself is housed in a high quality ABS plastic housing, which opens at the rear in a butterfly manner to reveal the IDC termination points. Once the conductors of the cable to be terminated are fed into a wire cap the process is completed by snapping the 'butterfly wings' together with minimal, but firm pressure.

Features

- Category 6 compliant
- Two piece, easy to use design
- Toolless termination
- Suitable for patch panel and faceplate mounting
- Suitable for installation in 37mm deep back box with bevelled faceplate
- Lifetime Product Warranty
- 25 year system warranty

Description	Part Number
Category 6 Unscreened Butterfly Style Toolless Keystone Jack - White	100-211
Category 6 Unscreened Butterfly Style Toolless Keystone Jack - Black	100-212
Compatible Patch Panel Frame	
RiT EPV™ UTP Keystone Patch Panel	R3260080

***ETL** - This product range has been tested by ETL and found to comply with ANSI/TIA-568-B.2-1 Category 6.*
For copies of test certification please contact your local Excel distributor, or visit www.excel-networking.com.

See page 67 for full specification and features of compatible RiT EPV™ patch panel.

Excel Category 6 Screened Keystone Jack – Toolless

The Excel Category 6 Screened Keystone Jack, is an independently verified toolless termination RJ45 socket suitable for mounting in range of housings from patch panels, faceplates and shutters to sub floor boxes, and work area distribution enclosures. 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 conductors of the cable to be terminated are fed into a management cap the process is completed by snapping the 'butterfly wings' together with minimal, but firm pressure.

Features

- Category 6 compliant
- High quality die cast housing
- Toolless termination design
- Suitable for patch panel and faceplate mounting
- Suitable for installation in 37mm deep back box with bevelled faceplate
- Lifetime Product Warranty
- 25 year system warranty
- 360° Shielding protects against alien crosstalk
- EC Verified

Description	Part Number
Category 6 Screened Butterfly Style Toolless Keystone Jack	100-210
Compatible Patch Panel Frame	
RiT EPV™ STP Keystone Patch Panel	R3260081

***EC verified**. This product has been tested by the Delta EC Cabling Group and complies with the following standards ISO/IEC 11801 2nd edition:2002, ISO/IEC 11801 amendment 2:2010 50173:2007, ANSI/TIA-568-C.2 and IEC 60603-7-5. For copies of test certification please contact your local Excel distributor, or visit www.excel-networking.com or www.delta.dk.*

See page 67 for full specification and features of compatible RiT EPV™ patch panel.

Excel Category 6_A Screened Keystone Jack - Toolless

The Excel Category 6_A Screened Keystone Jack, is a toolless termination RJ45 Keystone Jack suitable for mounting in a range of housings from patch panels, faceplates and shutters to sub floor boxes, and work area distribution enclosures. 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 conductors of the cable are fed into a management cap, the termination process is completed by snapping the butterfly wings together with minimal, but firm pressure. A choice of patch panel frames with either 16 or 24 port density in both black and chrome are available.

Features

- High quality die cast housing
- Toolless termination design, quick, easy, consistent
- Suitable for patch panel and faceplate mounting
- EC verified
- Lifetime Product Warranty
- 25 year system warranty
- 360° shielding protects against alien crosstalk
- Suitable for 10 Gigabit, 10GBase-T, Ethernet applications

Description	Part Number
Category 6_A Screened Butterfly Style Toolless Jack	100-180
Compatible Patch Panel Frame	
RiT EPV™ STP Keystone Patch Panel	R3260081

***EC verified**. This product has been tested by the Delta EC Cabling Group and complies with the following standards - ISO/IEC 11801 2nd edition:2002, FDAM ISO/IEC 11801 amendment 2:2009, EN 50173:2007, ANSI/TIA-568-C.2, Cat. 6_A and Draft IEC 60603-7-51 (screened). For copies of test certification please contact your local Excel distributor, or visit www.excel-networking.com or www.delta.dk.*

See page 67 for full specification and features of compatible RiT EPV™ patch panel.

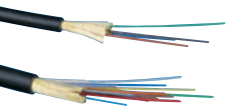
Excel Fibre Optic Cabling Systems

Excel Internal/External Grade Fibre Cable	74
Excel Duplex Zipcord Cable	76
Excel Fibre Optic Cable Specifications	76
Excel Fibre Optic Patch Cords	79
Excel Pigtails	83
Excel Fibre Optic Connectors	83
Excel Fibre Optic Adaptors	84
Excel Fibre Optic Patch Panels	85
Excel MTP® System	86
Excel Fibre Optic Patch Boxes	89
Excel Fibre Optic Wall Mounted Enclosures	90

Please check with your local Excel Sales Office or distributor for in country product availability

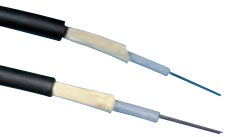
Excel Internal/External Grade Fibre Cable – OM1/OM2/OM3/OM4/OS1 & OS2

The Excel range of internal/external grade of fibre cables are available from stock in a choice of loose tube and tight buffered designs.



Central Loose Tube Fibre

The cables are constructed around a silica gel filled tube containing up to 24 colour coded 250µm buffered 62.5/125µm or 50/125µm Multimode or 9/125µm Singlemode fibres. This tube is covered with aramid strength members and a flame retardant and low smoke halogen free, outer sheath. For detailed specifications please turn to pages 76 and 77.



Tight Buffered Fibre

The cables are constructed from a number of 900µm buffered fibres which are colour coded and packed in water resistant rodent protected strength members. The outer sheath is both flame retardant and low smoke zero halogen. The design and construction of this range has resulted in a light, easy to install, cost effective cable. For detailed specifications please turn to pages 76 and 77.

Features

- LSOH Black Sheath
- Duct Grade
- Cut to length service
- Sequentially Metre Marked
- Suitable for Internal & External Use
- 25 Year System Warranty

FREE excel Cut to length service on ALL cables

Loose Tube

Black Outer Sheath					
No. of cores	OM1	OM2	OM3	OM4	OS1&OS2
4	200-047	200-049	200-150	204-004	205-300
6	200-060	200-065	200-149	204-006	205-116
8	200-067	200-069	200-151	204-008	205-301
12	200-087	200-089	200-152	204-012	205-302
16	200-081	200-090	200-153	204-016	205-303
24	200-084	200-092	200-154	204-024	205-304
48	–	–	–	–	205-310

Tight Buffered

Black Outer Sheath					
No. of cores	OM1	OM2	OM3	OM4	OS1
4	200-110	200-115	200-155	204-104	205-320
6	200-116	200-117	200-118	204-106	205-230
8	200-130	200-135	200-156	204-108	205-322
12	200-140	200-145	200-157	204-112	205-324
16	200-141	200-146	200-158	204-116	205-326
24	200-142	200-147	200-159	204-124	205-328

ANOTHER COLOUR? excel For colours not shown please contact our sales team for minimum order quantities and lead time

Excel Internal/External Grade CST Fibre Cable – OM1/OM2/OM3/OM4/OS1 & OS2

Loose Tube Fibre – Single Sheath Rodent Protected CST Armoured

Excel corrugated steel tape cables are available in OM1, 2, 3, 4 and OS1 & OS2 specification. The loose tube containing up to 24 fibres is packed in aramid strength elements. The steel tape and blue low smoke zero halogen rodent protected sheath completes the design.

Blue Outer Sheath					
No. of cores	OM1	OM2	OM3	OM4	OS1&OS2
4	205-270	205-275	205-280	204-204	205-305
8	205-271	205-276	205-281	204-208	205-306
12	205-272	205-277	205-282	204-212	205-307
16	205-273	205-278	205-283	204-216	205-308
24	205-274	205-279	205-284	204-224	205-309

MORE CORES? excel Call our Sales Office for price and availability on core counts not shown

Singlemode *- Please note that all Excel loose tube singlemode cable designs ship as OS2 compliant specification and are backward compatible with OS1 specification and components.*

Excel Internal/External Grade SWA Fibre Cable – OM1/OM2/OS1 & OS2

Loose Tube Fibre – Single Sheath Rodent Protected SWA Armoured

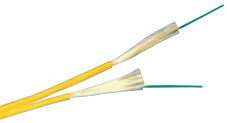
New to the Excel range steel wire armoured cables suitable for direct burial and the most demanding of installations. Available in OM1, OM2, and OS1 & OS2 from stock these cables are constructed from standard single loose tube cables which are then packed into a flexible but strong fibreglass waterblocking strength member. An internal sheath of Black Low Smoke Zero Halogen material is then applied, a rip cord is inserted under this sheath to ease cable stripping. Lengths of steel wire armouring are then applied and an oversheath of Black Low Smoke Zero Halogen is added.

The cables shown in the table below are available from stock, if you require core counts or jacket colours not shown please call our sales office for availability details.

Black Outer Sheath			
No. of cores	OM1	OM2	OS1&OS2
4	205-340	205-348	205-356
8	205-342	205-364	205-368
12	205-344	205-352	205-360
16	205-372	205-366	205-370
24	205-346	205-354	205-362

AVAILABLE EX-STOCK excel

Excel Duplex Zipcord Cable – OM1/OM2/OM3/OS1&OS2



Excel zipcord is designed around two 2.8mm fibre cables. Available in 62.5/125µm – OM1 Grade, 50/125µm – OM2 Grade, 50/125µm – OM3 Grade and 9/125µm – OS1 & OS2 Grade. This robust construction is ideal for short run indoor patching or for use where frequent handling is likely, for example equipment rooms or wiring closets. Each cable is jacketed in low smoke, zero halogen material and are available in a choice of colours. Fibres are buffered to 900 micron and can be used with standard connectors and adaptors.

62.5/125 OM1	Part Number
Zipcord Blue	202-050
Zipcord Green	202-051
Zipcord Orange	202-052
Zipcord Grey	202-054
50/125 OM2	
Zipcord Blue	202-055
Zipcord Black	202-056
Zipcord Red	202-057
Zipcord Orange	202-058
50/125 OM3	
Zipcord Orange	202-059
9/125 OS2	
Zipcord Yellow	202-060

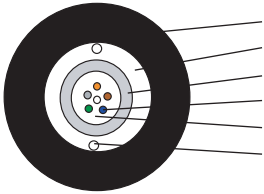
Excel Fibre Optic Cable Specifications

Optical Performance

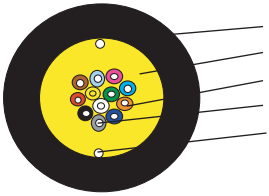
Cable Type	Typical/Maximum Attenuation (dB/km)	Minimum Bandwidth (MHz.km)
	850nm - 1310nm	850nm - 1310nm
OM1 62.5/125	2.7/3.2 - 0.6/1.1	200 - 600
OM2 50/125	2.3/2.8 - 0.6/0.9	600 - 1200
OM3 50/125	2.5/3.0 - 0.5/1.0	1500 - 500
Cable Type	**Typical/Maximum Attenuation (dB/km)**	**Dispertion Coefficient ps.nm-1.km-1**
	1310nm - 1550nm	1310nm - 1550nm
OS1 & OS2 9/125	0.32/0.4 - 0.21/0.3	≤3.5 - ≤18

Excel Fibre Optic Cable Specifications

Physical Characteristics



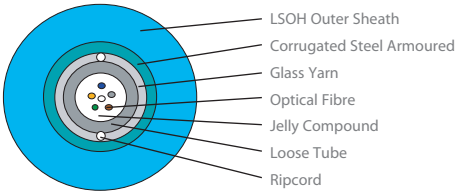
Loose Tube Cable		4 Core	6 Core	8 Core	12 Core	16 Core	24 Core
Max Installed Load	N	1500	1500	1500	1500	1500	1500
Outside Diameter	mm	5.8	5.8	5.8	5.8	5.8	5.8
Min bend radius installation	mm	87	87	87	87	87	87
Min bend radius installed	mm	58	58	58	58	58	58
Crush Resistance (max)	N/m	15000	15000	15000	15000	15000	15000
Installation Temp	℃	-5 to +50	-5 to +50	-5 to +50	-5 to +50	-5 to +50	-5 to +50
Operating Temp	℃	-30 to +75	-30 to +75	-30 to +75	-30 to +75	-30 to +75	-30 to +75
Storage Temp	℃	-30 to +75	-30 to +75	-30 to +75	-30 to +75	-30 to +75	-30 to +75
Outer sheath		LSNH →					



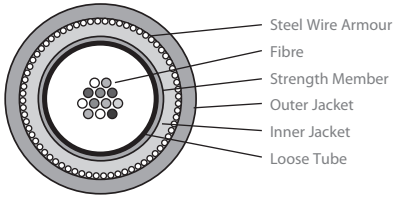
Tight Buffered Cable		4 Core	6 Core	8 Core	12 Core	16 Core	24 Core
Max Installed Load	N	800	900	900	1000	1000	1200
Outside Diameter	mm	5.4	5.9	5.9	7.6	8.6	9.6
Min bend radius installation	mm	81	88.5	88.5	114	129	144
Min bend radius installed	mm	54	59	59	76	86	96
Crush Resistance (max)	N/m	4000	4000	4000	4000	4000	4000
Installation Temp	℃	-5 to +50	-5 to +50	-5 to +50	-5 to +50	-5 to +50	-5 to +50
Operating Temp	℃	-30 to +70	-30 to +70	-30 to +70	-30 to +70	-30 to +70	-30 to +70
Storage Temp	℃	-30 to +70	-30 to +70	-30 to +70	-30 to +70	-30 to +70	-30 to +70
Outer sheath		LSNH →					

Excel Fibre Optic Cable Specifications

Physical Characteristics



Loose Tube CST Cable		4 Core	8 Core	12 Core	16 Core	24 Core
Max Installation Load	N	4000	4000	4000	4000	4000
Max Installed Load	N	2000	2000	2000	2000	2000
Outside Diameter	mm	10.6	10.6	10.6	10.6	10.6
Min bend radius installation	mm	159	159	159	159	159
Min bend radius installed	mm	106	106	106	106	106
Crush Resistance installation	N/m	40000	40000	40000	40000	40000
Crush Resistance installed	N/m	40000	40000	40000	40000	40000
Installation Temp	℃	-5 to +50	-5 to +50	-5 to +50	-5 to +50	-5 to +50
Operating Temp	℃	-30 to +75	-30 to +75	-30 to +75	-30 to +75	-30 to +75
Storage Temp	℃	-30 to +75	-30 to +75	-30 to +75	-30 to +75	-30 to +75
Outer sheath		LSNH →				



Loose Tube SWA Cable		4 Core	8 Core	12 Core	16 Core	24 Core
Max Installation Load	N	1500	1500	1500	1500	1500
Max Installed Load	N	700	700	700	700	700
Outside Diameter	mm	9.6	9.6	9.6	9.6	9.6
Min bend radius installation	mm	144	144	144	144	144
Min bend radius installed	mm	96	96	96	96	96
Crush Resistance installation	N/m	30000	30000	30000	30000	30000
Crush Resistance installed	N/m	30000	30000	30000	30000	30000
Installation Temp	℃	-5 to +50	-5 to +50	-5 to +50	-5 to +50	-5 to +50
Operating Temp	℃	-30 to +75	-30 to +75	-30 to +75	-30 to +75	-30 to +75
Storage Temp	℃	-30 to +75	-30 to +75	-30 to +75	-30 to +75	-30 to +75
Outer sheath		LSNH →				

Excel Fibre Optic Patch Cords – Multimode 62.5/125µm OM1 – Grey

The Excel range of patch cords are constructed from high quality connectors and 62.5/125µm OM1 grade cable. Each cable has a short strain relief boot and is supplied with a test report detailing insertion loss. All of the patch cords come with an LSOH grey sheath and are individually bagged and labelled.

Features

- OM1 grade duplex (figure 8) LSOH cable
- Individually bagged
- High quality ceramic ferrule
- Low insertion loss < 0.3 dB
- 25 Year System Warranty

Length (Metre)	ST-ST Duplex	SC-SC Duplex	ST-SC Duplex
1	200-290	200-500	200-600
2	200-300	200-510	200-610
3	200-310	200-520	200-620
5	200-320	200-530	200-630

Length (Metre)	LC-LC Duplex	LC-SC Duplex	LC-ST Duplex
1	200-181	200-185	200-189
2	200-182	200-186	200-190
3	200-183	200-187	200-191
5	200-184	200-188	200-192

SOMETHING DIFFERENT? excel

For cables not shown, call our sales team. We offer a fast turnaround service for different coloured cables, connector types and lengths

Excel Fibre Optic Patch Cords – Multimode 50/125µm OM2 – Orange

The Excel range of patch cords are constructed from high quality connectors and 50/125µm OM2 grade cable. Each cable has a short strain relief boot and is supplied with a test report detailing insertion loss. All of the patch cords come with an LSOH orange sheath and are individually bagged and labelled.

Features

- OM2 grade duplex (figure 8) LSOH cable
- Individually bagged
- High quality ceramic ferrule
- Low insertion loss < 0.3 dB
- 25 Year System Warranty

Length (Metre)	ST-ST Duplex	SC-SC Duplex	ST-SC Duplex
1	200-200	200-224	200-216
2	200-202	200-226	200-218
3	200-204	200-228	200-220
5	200-206	200-229	200-222

Length (Metre)	LC-LC Duplex	LC-SC Duplex	LC-ST Duplex
1	200-168	200-172	200-176
2	200-169	200-173	200-177
3	200-170	200-174	200-178
5	200-171	200-175	200-179

SOMETHING DIFFERENT? excel

For cables not shown, call our sales team. We offer a fast turnaround service for different coloured cables, connector types and lengths

Excel Fibre Optic Patch Cords – Multimode 50/125µm OM3 – Aqua

The Excel range of patch cords are constructed from high quality connectors and 50/125µm OM3 grade cable. Each cable has a short strain relief boot and is supplied with a test report detailing insertion loss. All of the patch cords come with an LSOH aqua sheath and are individually bagged and labelled.

Features

- OM3 grade duplex (figure 8) LSOH cable
- Individually bagged
- High quality ceramic ferrule
- Low insertion loss < 0.3 dB
- 25 Year System Warranty

Length (Metre)	ST-ST Duplex	SC-SC Duplex	ST-SC Duplex	LC-LC Duplex	LC-SC Duplex	LC-ST Duplex
1	200-001	200-005	200-013	200-043	200-054	200-062
2	200-002	200-006	200-014	200-044	200-055	200-063
3	200-003	200-007	200-015	200-046	200-056	200-064
5	200-004	200-008	200-016	200-048	200-057	200-070

Excel Fibre Optic Patch Cords – Multimode 50/125µm OM4 – Aqua

The Excel range of patch cords are constructed from high quality connectors and 50/125µm OM4 grade cable. Each cable has a short strain relief boot and is supplied with a test report detailing insertion loss. All of the patch cords come with an LSOH aqua sheath and are individually bagged and labelled.

Features

- OM4 grade duplex (figure 8) LSOH cable
- Individually bagged
- High quality ceramic ferrule
- Low insertion loss < 0.3 dB
- 25 Year System Warranty

Length (Metre)	SC-SC Duplex	LC-LC Duplex	LC-SC Duplex
1	204-308	204-300	204-304
2	204-309	204-301	204-305
3	204-310	204-302	204-306
5	204-311	204-303	204-307

Excel Fibre Optic Patch Cords – Singlemode 9/125µm OS2

The Excel range of patch cords are constructed from high quality connectors and 9/125µm OS2 grade cable. Each cable has a short strain relief boot and is supplied with a test report detailing insertion loss. All of the patch cords come with an LSOH yellow sheath and are individually bagged and labelled.

Features

- OS2 grade duplex (figure 8) LSOH cable
- Individually bagged
- High quality ceramic ferrule
- Low insertion loss < 0.2dB
- 25 Year System Warranty

Length (Metre)	ST/UPC-ST/UPC Duplex	SC/UPC-SC/UPC Duplex	ST/UPC-SC/UPC Duplex	LC/UPC-LC/UPC Duplex
1	200-251	200-261	200-255	200-678
2	200-252	200-262	200-256	200-680
3	200-253	200-263	200-257	200-682
5	200-254	200-264	200-259	200-684

Length (Metre)	LC/UPC-SC/UPC Duplex	LC/UPC-ST/UPC Duplex	FC/UPC-FC/UPC Duplex	FC/UPC-ST/UPC Duplex
1	200-686	200-694	200-501	200-517
2	200-688	200-696	200-502	200-511
3	200-690	200-698	200-503	200-512
5	200-692	200-699	200-504	200-513

Length (Metre)	FC/UPC-SC/UPC Duplex	SC/APC - SC/APC Duplex	SC/APC – SC/UPC Duplex	SC/APC – LC/UPC Duplex
1	200-534	201-001	201-021	201-041
2	200-535	201-002	201-022	201-042
3	200-536	201-003	201-023	201-043
5	200-537	201-005	201-025	201-045

Excel Pigtails – 62.5/125µm OM1, 50/125µm OM2/OM3/OM4 & 9/125µm OS2

The Excel range of pigtails are constructed from high quality connectors and 62.5/125µm OM1, 50/125µm OM2, 50/125µm OM3, 50/125µm OM4 and 9/125µm OS1 & OS2 grade cables. Each cable has a short strain relief boot and is supplied with a test report detailing insertion loss.

Pigtail Type	OM1	OM2	OM3	OM4	OS1&OS2
ST	200-556	200-557	-	-	-
SC	200-552	200-553	200-555	204-321	200-554
LC	200-558	200-559	200-560	204-320	200-561
FC	-	-	-	-	200-563
SC/APC	-	-	-	-	200-562

Excel Fibre Optic Connectors – ST, SC, LC and FC

The STII and SC single piece connectors are designed for quick and easy termination either on-site or in the factory. Suitable for use with both loose tube and tight buffered cable, can be used with the cold cure termination system detailed in this section.

Strain relief boots are included, yellow for singlemode and black for multimode. By using the Excel SC Duplex Clip, two SC Simplex Connectors can be joined to form a single SC Duplex Connector.

The LC Connector is becoming the Small Form Factor (SFF) of choice. Occupying half the space of a duplex SC Connector, this product is ideal for high density applications such as Data Centres and Server Farms.

The FC connectors are designed for quick and easy termination either on-site or in the factory. Suitable for use with both loose tube and tight buffered cable, can be used with the cold cure termination system detailed in this section.

200-353

200-319

200-301

200-361

200-358

Features

- Individually bagged
- Highest quality ceramic ferrule
- Both 900µm pigtail and 2 or 3mm cable boots included
- Simplex and Duplex options in SC and LC
- 25 Year System Warranty

Model	ST II Simplex	SC Simplex	LC Simplex	LC Duplex	FC Simplex
Singlemode	200-319	200-361	200-351	200-349	200-302
Multimode	200-330	200-358	200-353	200-352	200-301
Multimode (pk 100)	—	—	200-353-100	—	—
SC Connectors Accessories					
SC Duplex Clip		200-367	—		

Excel Fibre Optic Adaptors – ST, SC, LC and FC

200-735

200-350

200-570

200-567

200-364

200-389

200-390

ST-SC Adaptors

ST to SC Adaptors are used to match cables or assemblies with different connectors, can be used either in-line or mounted in patch panels or faceplates.

ST-ST Adaptors

Standard construction ST in-lines available in either multimode or singlemode.

SC Adaptors

SC adaptors, available in both Simplex and Duplex, can be mounted in panels or wall plates and are suitable for use with both Simplex and Duplex SC connectors. In an extension to the range, Angled Polish (APC) style are now also available.

LC Adaptors

The Excel LC adaptor is a polymer body through coupler with RJ45/SC Simplex footprint.

FC Adaptors

FC Adaptors are used to match cables or assemblies with different connectors, can be used either in-line or mounted in patch panels or faceplates.

Alignment Sleeve: Multimode - Phosphor Bronze
Singlemode - Ceramic (Zirconia)

ST-SC Adaptors	Part Number
ST-SC Duplex Adaptor	200-735
ST-ST Adaptors	
ST Standard Adaptor, Locknut and Black ID Ring	200-350
ST Singlemode Bulkhead Adaptor	200-350-SM
SC Adaptors	
SC Simplex Adaptor, Multimode	200-570
SC Duplex Adaptor, Multimode	200-365
SC Simplex Adaptor, Singlemode	200-571
SC Duplex Adaptor, Singlemode	200-366
SC/APC Adaptors	
SC/APC Simplex Adaptor, Singlemode	200-566
SC/APC Duplex Adaptor, Singlemode	200-567
LC Adaptors	
LC Duplex Adaptor, Multimode	200-363
LC Duplex Adaptor, Singlemode	200-364
LC Quad Adaptor, Multimode	200-568
LC Quad Adaptor, Singlemode	200-569
FC Adaptors	
FC Multimode Adaptor	200-389
FC Singlemode Adaptor	200-390

Excel Fibre Optic Patch Panels

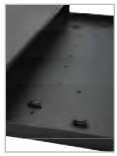
Excel loaded patch panels are supplied with pre-configured adaptors for fast, easy installation. All patch panels are supplied with a cable management kit and cage nuts, cabinet installation is completed using the supplied fixing arms.

The LC connector series are small form factor (SMF) style options. Each adaptor accommodates a two fibre connector, resulting in a high density solution ideal for server farm, data centre and general high fibre count installations.

24 Fibre SC Panel.
Pigtails supplied separately

Choice of gland mounting positions

Port identification and quick release handles



Built in cable tie position

Features

- Choice of port density
- Available in multimode and singlemode
- Multiple pre stamped cable entry positions on rear
- Each panel includes a 24 way splice bridge, 2 x cable entry glands, 4 x self adhesive cable management ties, 4 x cage nut fixing set and blanks for unused ports
- Cable tie "bridges" in base of draw
- Pigtails are supplied separately. Please refer to page 83.

Sliding Drawer Fibre Optic Patch Panels - Pre Loaded

Number of Fibres	ST-MM	ST-SM	SC-MM	SC-SM	LC-MM	LC-SM
4	200-377	200-427	—	—	—	—
8	200-378	200-428	200-401	200-480	200-460	200-470
12	200-379	200-429	200-405	200-481	—	—
16	200-382	200-430	200-406	200-482	200-462	200-472
24	200-384	200-431	200-407	200-483	200-464	200-474
48	—	—	200-408	—	200-466	200-476

MM = Multimode SM = Singlemode

IMPROVED DESIGN excel Enhanced sliding drawer function, multiple rear cable entry points

SOMETHING DIFFERENT? excel Subject to minimum order quantities and short lead times, we can supply unloaded panels and pre-terminated panels.

Excel MTP® System

Excel has chosen to use the MTP® manufactured by US Conec within it's pre-terminated high density fibre system. The MTP® is a superior version of the Multifibre Push On (MPO) connector. The MTP® ensures higher performance than standard MPO connectors.

The MTP® connector houses a number of optical fibres. The Excel range currently utilises the 12 core MTP® connector. These 12 fibres are mounted in a single row between the indexing pins/holes. Connection of the MTP® is a simple matter of pushing the connector home into the coupler, until it clicks.

Excel Fibre Optic MTP® Cassette Patch Panel - Unloaded

NEW excel

The Excel Fibre Optic Cassette Patch Panels are available in a choice of a 1U or 3U format. The 1U version mounts up to 3 Excel MTP® Cassettes in a 19" arrangement. The 3U allows for 10 cassettes to be accommodated. The range of products have been designed and manufactured to support both the pre-terminated and the emerging 40/100 Gigabit Ethernet fibre optic installations. The 1U Patch Panel has a sliding tray to provide easy access, connection and securing of the MTP® Trunk Cables to the rear of the cassettes. Blank panels are included for the unused apertures within the patch panel. The design enables the remaining cassette apertures to be populated with very low risk to the connected services. The 19" mounting brackets are adjustable to allow the panel to be set further back in the cabinet mounting frames.

Features

- Supplied unloaded
- Accepts up to 10 Fibre Optic Cassettes - up to 120 Duplex Ports
- Choice of 1U or 3U configurations
- Suits 6 or 12 Duplex LC Port to MTP® Cassettes
- 25 Year System Warranty
- Adjustable 19" Mounting Brackets

Description	Part Number
Excel Fibre Optic Cassette 1U Patch Panel (Unloaded)	208-001
Excel Fibre Optic Cassette 3U Patch Panel (Unloaded)	208-003

3U version coming in Q1 2011

Excel Fibre Optic MTP® Cassettes

The Excel Fibre Optic MTP® Cassette mounts directly into the Excel Fibre Optic Cassette 1U or 3U Patch Panel for mounting into a 19" cabinet. This range of products has been designed and manufactured to support both the pre-terminated and the emerging 40/100 Gigabit Ethernet fibre optic installations. The cassettes are terminated with the superior quality US Conec MTP® connector. Both 6 and 12 Duplex LC (12 and 24 core) cassettes are available.

The 6 Duplex Port has one MTP® connector on the rear and the 12 Duplex Port version has two. The cassettes are factory terminated and tested ensuring optimal performance when connected to the desired Excel MTP® Trunk Cable. Simply inspect the MTP® end faces of the cable and cassette and connect. OM3, OM4 and OS2 categories of fibre optic cassettes are available depending on the desired class of channel. The 1U Fibre Optic Cassette Patch Panel accepts up to 3 off cassettes allowing the ability to expand the installation in the future with very low risk to the installed network. The patch panel also allows different categories of fibre optics to be presented together in the same cabinet 'U' space.

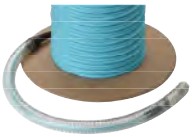
NEW excel

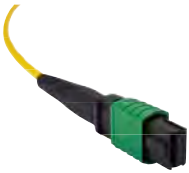
Features

- Factory terminated and tested
- US Conec MTP® Connectors
- 6 or 12 Duplex LC Ports
- OM3, OM4 or OS2
- 25 Year System Warranty
- Compatible with Excel Fibre Optic Cassette Patch Panel
- Test certificate supplied

Description	Part Number
Excel Fibre Optic Cassette OM3 MTP to 6 Duplex LC – 12 Core	208-005
Excel Fibre Optic Cassette OM3 MTP to 12 Duplex LC – 24 Core	208-006
Excel Fibre Optic Cassette OM4 MTP to 6 Duplex LC – 12 Core	208-007
Excel Fibre Optic Cassette OM4 MTP to 12 Duplex LC – 24 Core	208-008
Excel Fibre Optic Cassette OS2 MTP to 6 Duplex LC – 12 Core	208-009
Excel Fibre Optic Cassette OS2 MTP to 12 Duplex LC – 24 Core	208-010

Excel MTP® Fibre Optic Trunk Cables





NEW excel

The Excel MTP® Trunk Cables offer pre-terminated optical fibre that is factory tested in a range of core counts. The trunk cable is manufactured with multiple, 12 core MTP® connectors to give 12, 24, 36, 48, 72 or 96 core cables. The US Conec MTP® connector has been chosen as the MPO (Multiple-Fibre Push-On/Pull-off) for superior performance. Each cable is tested in the factory and is supplied with the test certificate. Each end of the cable has the MTP® connector(s) protected with a flexible hose.

The trunk cable assemblies are available in OM3, OM4 and OS2. Bespoke lengths are offered (to the nearest metre). In the case of the 24 core and greater the cable is constructed of multi-core units.

Features

- US Conec MTP® connectors used
- 12 Core Connectors
- 12 to 96 Core available (multiple MTP®s)
- OM3, OM4 or OS2
- Factory tested
- 25 Year System Warranty

Simple ordering process

The construction of the MTP® installation starts with ordering the required products. This is a very simple process.

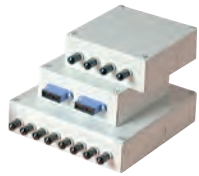
- What is the length of the trunk cable required?
  - Round up to the nearest metre in length
  - Do not forget any vertical drops
  - 'Service Loop', correctly managed does not affect the performance of fibre
- Fibre grade
  - OM3, OM4 and OS2 are available
- Core size
  - 12, 24, 36, 48, 72 and 96 core available
- This corresponds to 1, 2, 3, 4, 6 or 8 MTP® connectors at each end

Description	Part Number
Excel OM3 yy Core MTP Trunk Cable xxx m	208-OM3-yyC-MTP-xxx
Excel OM4 yy Core MTP Trunk Cable xxx m	208-OM4-yyC-MTP-xxx
Excel OS2 yy Core MTP Trunk Cable xxx m	208-OS2-yyC-MTP-xxx

yy = core size (12, 24, 36, 48, 72 or 96)
xxx = length in metres (to the nearest metre)
e.g. 208-OM3-48C-MTP-150 Excel OM3 48 Core MTP Trunk Cable 150 m

Excel Fibre Optic Patch Boxes

Excel has an extensive range of ST, SC (Duplex) and LC (Quad) patch boxes suitable for wall, floor or desk mounting. With a 20mm knock out on every side and pre-drilled fixing holes. Ideal for conduit or cable gland entry this new range allows you to select the perfect box to suit your application. The number of ports shown denotes the number of adaptors. SC adaptors are Duplex style and offer two fibre connections per port. LC adaptors are Quad style and offer four fibre connections per port.



Features

- One piece body construction eliminates fibre snagging
- Available in ST, SC (Duplex) and LC (Quad) connector styles
- Multimode adaptors
- Each unit includes the enclosure fitted out with in-line adaptors, 24 way splice bridge and 4 x self adhesive cable management ties

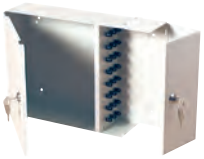
Description	Dimensions	Part Number
ST Patch Box - 4 Port (4 Core)	110mm x 110mm x 40mm	202-024
ST Patch Box - 8 Port (8 Core)	160mm x 160mm x 40mm	202-025
ST Patch Box - 12 Port (12 Core)	160mm x 160mm x 80mm	202-026
ST Patch Box - 16 Port (16 Core)	160mm x 160mm x 80mm	202-027
C Patch Box - 2 Port Duplex (4 Core)	110mm x 110mm x 40mm	202-028
SC Patch Box - 4 Port Duplex (8 Core)	160mm x 160mm x 40mm	202-029
SC Patch Box - 6 Port Duplex (12 Core)	160mm x 160mm x 80mm	202-030
SC Patch Box - 8 Port Duplex (16 Core)	160mm x 160mm x 80mm	202-031
LC Patch Box - 2 Port Quad (8 Core)	110mm x 110mm x 40mm	202-107
LC Patch Box - 4 Port Quad (16 Core)	160mm x 160mm x 40mm	202-108
LC Patch Box - 6 Port Quad (24 Core)	160mm x 160mm x 80mm	202-109
LC Patch Box - 8 Port Quad (32 Core)	160mm x 160mm x 80mm	202-110

Note: *Each adaptor on the SC patch box will accept 1 x SC (Duplex) connector or 2 x SC (Simplex) connectors. Each adaptor on the LC patch box will accept 1 x LC (Quad) connector, or 2 x LC (Duplex) connectors or 4 x LC (Simplex) connectors.*

Boxes are also available in Singlemode.
For prices and availability details please call our Sales Office.

LC versions coming in Q1 2011

Excel 2 Door Lockable Fibre Optic Wall Mounted Enclosure



These patch boxes are designed for high-density, secure terminations. Their two door design ensures that both the terminations and the patching are safe. The boxes have 20mm knockouts and pre-drilled fixing holes.

Features

- Manufactured with a one piece body, an interchangeable plate and hinged lockable doors
- ST, SC (Duplex) and LC (Quad) in-line multimode adaptor plates available
- All boxes include the box itself and a fitted adaptor plate loaded with the appropriate number of in-line adaptors, 24 way splice bridge, cable entry gland and 4 x self adhesive cable management ties

Technical Data

Dimensions: 360mm x 250mm x 90mm

Description	Part Number
12 Port ST (12 Core) Lockable Patch Box – Loaded	202-035
24 Port ST (24 Core) Lockable Patch Box – Loaded	202-036
6 Port SC Duplex (12 Core) Lockable Patch Box – Loaded	202-037
12 Port SC Duplex (24 Core) Lockable Patch Box – Loaded	202-038
6 Port LC Quad (24 Core) Lockable Patch Box - Loaded	202-033
12 Port LC Quad (48 Core) Lockable Patch Box - Loaded	202-034

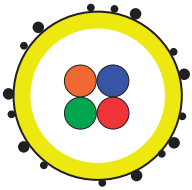
LC versions coming in Q1 2011

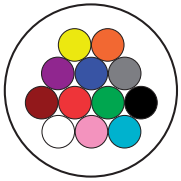
Blown Fibre Systems

Prysmian Sirocco Blown Fibre Units (EPFU)	92
Prysmian Sirocco Direct Install Cable (Duct)	92
Prysmian Sircocco Internal Tube Assembles (LSOH)	93
Prysmian Sirocco Tube Distribution Closure (TDC) MK II	94
Prysmian Sirocco Tube Distribution Closure (TDC) MK II Accessories & Tools	96
Prysmian Sirocco Resin Filled Joints	97
Prysmian Sirocco Customer Lead In Unit	98
Prysmian Sirocco Customer Lead In Unit - Large	99
Prysmian Sirocco Blown Fibre Gas Seal Unit	100
Prysmian Sirocco DB1 Connection Kit	101
Prysmian Sirocco 5mm Gas Block Connector	101
Prysmian Sirocco Single Tube Gas Block Housing	102
Prysmian Sirocco Blown Fibre Manifold	103
Prysmian Sirocco Internal TDU	103
Prysmian Sirocco Blown Fibre Tube Patching Panel	104
Prysmian Sirocco PSP Splice and Patch Shelf	105
Prysmian Sirocco PSP Splice and Patch Shelf - Additional Items	106
Prysmian Sirocco Blown Tube Patch Shelf	108
Prysmian Sirocco Tube Connectors	109
Prysmian Sirocco Close Down Assembly 3A	110
Prysmian Sirocco Tube Cutter	110
Prysmian Sirocco Blowing Beads	110
Prysmian Sirocco Riser Box	111
Prsymian Sirocco Installation Kit	112

Please check with your local Excel Sales Office or distributor for in country product availability

Prysmian Sirocco Blown Fibre Units (EPFU)





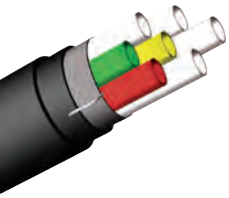
Utilising its core competencies in the manufacturing and cabling of optical fibre, Prysmian produces optical fibre units EPFU (Enhanced Performance Fibre Units) specifically engineered for Blown Fibre applications. The fibres are contained within a soft inner acrylate layer which cushions the fibres, an outer harder layer which protects the fibre from damage and a low friction layer that assists in improving blowing distance, which is typically 1000 meter's at 10 Bar.

Sirocco units can be supplied in a range of fibre types including SingleMode, Low water peak MagniLight™ G.652.D, CasaLight™ G.657.A, CasaLight Plus™ G.657.B, Multimode 62.5/125 OM1 and 50/125 OM2, OM3 and OM4.The resin is colour coded to indicate the fibre within (singlemode yellow, 50/125 turquoise and 62.5/125 red) except for the 12 fibre unit which has an alternative grey low friction coating.

NEW excel

Description	Part Number
4F OS2 Singlemode 2000M PANS	EPFU_SM4F_2000
8F OS2 Singlemode 2000M PANS	EPFU_SM8F_2000
12F OS2 Singlemode 2000M PANS	EPFU_SM12F_2000
4F OM3 Multimode 2000M PANS	EPFU_OM3_4F_2000
8F OM3 Multimode 2000M PANS	EPFU_OM3_8F_2000
12F OM3 Multimode 2000M PANS	EPFU_OM3_12F_2000

Prysmian Sirocco Direct Install Cable (Duct)



HDPE low friction tubes of small diameter for blown fibre installations in ducts and sub-ducts. The tube bundle is surrounded by a layer of moisture-barrier aluminium tape (shown green for clarity) and a flexible sheath of black PE. These products are designed for use in ducts and sub-ducts.

NEW excel

Features

- Aluminium tape layer acts as a moisture barrier
- Rapid dedicated customer connections using proven mechanical protection of HDPE
- Low friction internal coating for maximum fibre blowing distance
- Each tube accommodates one fibre unit (up to 12 fibres in a unit)
- Can be customised to suit user requirements (eg. tube style, sheath colour, print legend)
- Cut to length service

Description	Part Number
Blown Fibre Tube – 4 way – 5mm	5500512
Blown Fibre Tube – 7 way – 5mm	5500513
Blown Fibre Tube – 12 way – 5mm	5500514

Prysmian Sircocco Internal Tube Assembles (LSOH)

LSOH low friction tubes of small diameter for blown fibre installations in buildings. The tube bundle is surrounded with a sheath of Natural LFH material, giving excellent performance in a fire scenario: a) Low flammability b) Low smoke c) Low acid/fume d) Halogen-free.

The lightweight, metal-free, flexible tube assembly is intended for indoor installation, and may be pulled into suitable indoor ducts using low tensions. It is not for direct burial or aerial use.

Features

- LSOH indoor version with flame retardant properties (IEC 60332 Part I & III)
- Low smoke emissions BS 7211 (Ap.d)
- Contains no halogens
- Cut to length service
- Low friction internal coating for maximum fibre blowing distance
- Each tube accommodates one blown fibre unit (up to 12 fibres inside)
- Tubes are numbered for easy identification

NEW excel

Description	Part Number
LFH Blown Fibre Tube – 1 way – 5mm	5500531
LFH Blown Fibre Tube – 4 way – 5mm	5500533
LFH Blown Fibre Tube – 7 way – 5mm	5500534

Prysmian Sirocco Tube Distribution Closure (TDC) MK II

NEW excel

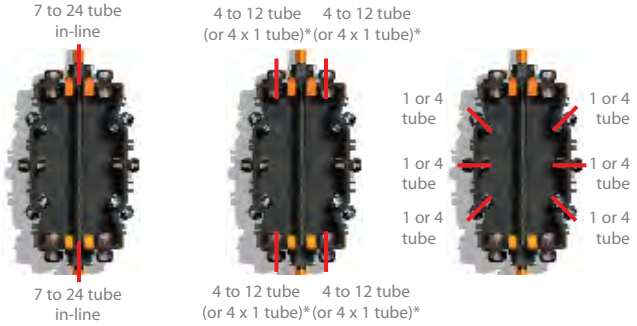
The Sirocco Tube Distribution Closure (TDC) MK II is a direct bury inline sealed closure (IP 68 Rated) designed for intercepting a blown fibre tube cable / duct assembly to a allow multiple spur-off's to smaller blown fibre tube cables or ducts. The TDC MK II can be installed at the time of blown fibre tube cable installation (day one) or fitted over an already installed cable as a retro fit allowing ultimate flexibility for your blown fibre/duct network. The closure offers protection to the accessed tubes and connectors and contains an integral pressure relief valve to prevent accidental over-pressurisation. The product is supplied with a base, cover complete with toggle clips for closing and a pressure relief valve. Rubber seals to seal the in-line cables/ducts are sold separately to suit the required diameter of the cable. Cable glands to distribute the drop cables are supplied separately as required.

Features

- Suitable for Blown Fibre and mini cable applications.
- Robust IP68 construction ensures suitability for direct bury applications.
- Quick release toggle clips reduce installation time and enable rapid re-entry.
- Integral pressure relief valve prevents accidental over-pressurisation.
- For butt applications a plug is available to seal the unused end of the in-line entry port.
- Can accommodate an in-line blown fibre tube cable/duct between 16.5mm and 40mm in diameter.
- Two further drop ports on each end can accommodate cables/ducts of between 14.5mm and 24.5mm in diameter. Up to two small cables/ducts between 10 and 11.5mm in diameter can also be accommodated in each of these ports using a manifold. The manifold can also be used to accommodate up to four cables into an end drop port providing the cables are between 8 and 10mm in diameter.
- A further six drop ports (3 on each side) allow for cables/ducts between 8 and 11.5mm in diameter, or between 14.5 and 16.5mm in diameter.
- Drop cable glands are supplied separately. The closure has knock-out ports for the glands, eliminating the need for plugs in unused ports. A tool is available to knock-out the cable ports.
- The drop cable glands are designed to grip the cables/ducts in two positions. This provides cable retention in both axial and lateral directions. The glands also seal the cable/duct in two positions.

Prysmian Sirocco Tube Distribution Closure (TDC) MK II

Port Configurations



Description	Part Number
Tube distribution Closure	XBFSC00331
17mm-21mm Inline Split Rubber Seal - (pack of 10)	XBFSC00322
21mm-24mm Inline Split Rubber Seal - (pack of 10)	XBFSC00324
24mm-28mm Inline Split Rubber Seal - (pack of 10)	XBFSC00325
28mm-32mm Inline Split Rubber Seal - (pack of 10)	XBFSC00326
32mm-36mm Inline Split Rubber Seal - (pack of 10)	XBFSC00327
TDC End of Run Filler Blank - (pack of 5)	XBFSC00329
Cable Seal Kit: 40mm Duct	XKTSC00278
Sirocco End Port Cable Gland for 14.5/17mm Cable - (pack of 10)	XBFSC00216
Sirocco End Port Cable Gland for 17/20mm Cable - (pack of 10)	XBFSC00217
Sirocco End Port Cable Gland for 22/24.5mm Cable - (pack of 10)	XBFSC00218
Sirocco End Port Cable Gland up to 4x9.5mm Cable - (pack of 10)	XBFSC00219
Sirocco Side Port Cable Gland for 8/11.5mm Cable - (pack of 10)	XBFSC00220
Sirocco Side Port Cable Gland for 14.5/16.5mm Cable - (pack of 10)	XBFSC00221

Prysmian Sirocco Tube Distribution Closure (TDC) MK II Accessories & Tools

5mm Tube End Caps

5mm Tube End Caps are used to provide a watertight seal to the unused ends of the blown fibre tubes, within the Tube Distribution Closure.

5mm Straight Connectors

5mm Straight Connectors are used to connect blown fibre tubes within the Tube Distribution Closure. The connectors provide a watertight seal between the tubes.

TDC Silicone Grease

Silicone Grease, is used when installing the TDC In–Line Port Seals. The use of this grease ensures correct and easy installation of the In Line Seals. Grease is required to provide IP68 seal.

One 100g tube will be sufficient for installing approximately 40 TDC's.

TDC Silicone Sealant

Silicone Sealant, is used when installing the TDC In-Line Port Seals. The use of this sealant ensures correct installation between the In Line Seals and the cable. Sealant is required to provide IP68 seal.

One 310ml cartridge will seal approximately 40 TDC's.

TDC Cable Gland Spanner

The TDC Cable gland Spanner is used to install the Cable Glands into the TDC. The spanner is a special size and shape to enable access to the gland nuts on the inside of the closure.

TDC Knock Out Tool Kit

The TDC Knock Out Tool is designed to knock out the side and end ports of the TDC for installation of Side Port and End Port Cable Glands. The kit comes complete with 1 x 40mm Knockout head,
1 x 30mm knockout head and threaded handle.

NEW excel

Description	Part Number
5mm Tube End Caps (pack of 10)	XBFSC00076
5mm Straight Connectors (pack of 10)	XBFSC00075
TDC Silicone Grease (pack of 5)	XBFSC00260
TDC Silicone Sealant	XKTSC00272
TDC Cable Gland Spanner	XBFSC00250
TDC Knock Out Tool Kit	XBFSC00277

Prysmian Sirocco Resin Filled Joints

The Sirocco Resin Filled Joints provide a cost-effective jointing system for Blown Fibre networks. The resin is supplied in a 2 part bag which ensures that the resin/filler mixing is undertaken in a safe manner. The typical cure time for the resin is 30 minutes.

The range joints are designed for in-line jointing or multiple spur-offs to smaller tube count cables. The joints are designed for Day 1 installation or retro-installation resulting in maximum flexibility to a Blown Fibre network.

Full Material Safety Data Sheets are available and included in the relevant CIG's.

XBFSC00370

XBFSC00371

XBFSC00372

Features

- Suitable for 1 to 4 tube Blown Fibre applications.
- Suitable for use in ducted networks or direct-buried applications.
- IP68 rating.
- Compact size.
- The application of these joints provides a block to the longitudinal passage of water within a cable.
- Once the resin has cured the joint can be re-entered to re-configure the tube arrangement.

NEW excel

Cable Type	Use	Installation Procedure Ref.	Dimensions	Part Number
1 Tube	In-line	CIG067	185 x 50 x 50mm	XBFSC00370
2 Tube	In-line	CIG071	185 x 50 x 50mm	XBFSC00370
4 Tube	In-line	CIG069	250 x 65 x 65mm	XBFSC00371
2 Tube	Mid-section Drop Off	CIG071	175 x 80 x 60mm	XBFSC00372
4 Tube	Mid-section Drop Off	CIG069	175 x 80 x 60mm	XBFSC00372

Prysmian Sirocco Customer Lead In Unit

NEW excel

The Customer Lead In unit (CLI) is designed for use in residential and small business premises to manage the entry of cables into buildings. The unit can be used for a single blown tube cable entry or a single optical cable entry up to a diameter of 13mm.

Features

- Ergonomic design.
- All fibres are positively managed to maintain a 30mm minimum bend radius.
- Prevents the accidental damage of optical cables during installation through walls, and therefore eliminates return to site costs due to fibre breaks / macro bending.
- Transition point between external grade tubing to Internal low smoke tubing.
- Gas / Water block facility for a single tube cable.
- Removable cover for easy access.
- Internal unit manufactured from fire resistant UL94-V0 rated material.
- External unit rated to IP68 when fully resin sealed.
- A 25mm diameter conduit is available as a separate item for applications where further protection is required around the cable elements, when they are passed through the wall.

Resin Pack

This kit contains a two part resin pack used for sealing cable interstices in the unit.

Conduit

This 0.5 metre length of 25mm diameter conduit can be used to further protect the cable elements as they are passed through the wall.

Features

- Compatible with 19" rack practice (1U) for direct mounting either in the vertical or horizontal plane.
- Compatible with ETSI rack practice (2SU) using front mounting.
- Patching panel accommodates up to 24 blown fibre tubes.
- Front facing unit allows easy access to all bulkhead connectors.

Description	Part Number
Customer Lead In (Single Blown Fibre Tube)	XBFSC00092
Conduit – 25mm diameter 0.5m long	XCPSC00670
Oasys Resin Pack (pack 10)	XPESC00054

Prysmian Sirocco Customer Lead In Unit - Large

The Customer Lead In – Large enables external cable to be passed through the building fabric from an outside wall and is typically used in business premises. The Customer Lead In comprises of two separate units mounted either side of the wall. This product can be used with Sirocco® Blown Fibre tubing or conventional optical cable

NEW excel

Features

- Up to 24 x 5mm blown fibre cable tubes can be accommodated.
- Internal and external mounted units typically used in large business premises.
- Conventional cables of up to 30mm diameter can be accommodated.
- Removable cover for easy access.
- External unit manufactured from UV resistant material. Internal unit manufactured from fire resistant material to UL94-V0.
- Kit supplied with all components necessary to feed external cable elements into the customer premises from an external wall face.
- The external unit can be sealed using a quick set resin. This ensures the external cable interstices are sealed against the ingress of water or gas into the customer premises.
- All cable elements are positively managed to 50mm minimum bend radius.
- Internal unit interfaces with Sirocco® Blown Fibre Gas Seal Unit

Sealing Resin

Used to provide a water and gas block at the external CLI. The resin pack fits into a standard single tube sealant gun (not supplied). One pack contains sufficient resin to seal 2 CLI's, and is supplied with 2 application nozzles. The resin is re-usable such that the units can be sealed on different days.

Conduit

This 0.5 metre length of 40mm diameter conduit can be used to further protect the cable elements as they are passed through the wall.

Description	Part Number
Customer Lead in (large brown tube cable 24 tubes / cable upto 32mm OD)	XBFSC00151
Conduit – 40mm diameter 0.5 long	XCPSC00671
Sealing Resin	XKTSC00094

Prysmian Sirocco Blown Fibre Gas Seal Unit

NEW excel

The Blown Fibre Gas Seal Unit (BFGSU) is typically used in business premises or entry to apartment blocks. This is a wall mounted unit that is positioned internally at the cable entry point. Incoming external blown tube cables are connected to internal blown tube cables using gas sealing connectors. These connectors are used to seal both populated (with blown fibre bundle) and unpopulated blown tubing.

The BFGSU is used for internally fed cable or with an OAsys CLI Unit for cables entering through the fabric of the wall.

Features

- Compact, low profile, wall mounted unit typically used in large business premises.
- Removable cover for easy access.
- Unit manufactured from fire resistant material to UL94-V0.
- Supplied with components to mount unit to a wall and secure external cable.
- Gas sealing connectors used to provide connection of external and internal blown tubing. Connectors provide gas tight seal for populated (with Sirocco® blown fibre bundle) and unpopulated tubes. Gas seal connectors are supplied separately (refer to additional items).
- Gas tight sealing caps used to terminate unused external cable tubes. Gas sealing caps supplied separately (refer to additional items).
- Accommodates up to one 12 tube external Sirocco® Blown Cable, and up to three Internal blown distribution cables (e.g. 3 x 4 tube internal cables or other combinations up to a maximum of 12 tubes. Any additional tubes will be spares).
- For internally fed cables, a quick set resin (supplied) is used to seal the cable interstices from the ingress of water or gas.
- For external cables fed via the wall fabric, an interface to an Internal Customer Lead In is provided.

Description	Part Number
Blown Fibre Gas Seal Unit (BFGSU)	XBFSC00150

Prysmian Sirocco DB1 Connection Kit

The DB1 Connection Kit is used to connect two DB1 Blown Tube cables together. The cables are connected using a standard 5-5mm tube connector. A length of protective conduit is then used to protect the joint and the conduit is sealed to the cable sheath using two pieces of low temperature heat shrink.

NEW excel

Features

- Used for connecting two pieces of DB1 Blown Tube cable together.
- Suitable for direct bury applications.
- Sealed to IP68 using a low temperature heat shrink.
- The joint is protected using a 20mm diameter conduit.
- Standard 5-5mm tube connector is used to join the two cables together

Description	Part Number
DB1 Connection Kit	XCPSC00363

Prysmian Sirocco 5mm Gas Block Connector

Used to prevent gas migrating along the Sirocco tube and entering into a customers premises. The connector is used with customer premises plant and provides the interface between external and internal Sirocco tubing. The device allows fibre to be 'blown through' into the customer premises. A sealing device is then activated externally to provide a seal between the fibre unit and the tube.

NEW excel

Features

- A combined Gas/water block
- Supplied in a pack of 10

Description	Part Number
Sirocco Gas Seal Connector 5mm	XBFSC00077

Prysmian Sirocco Single Tube Gas Block Housing

NEW excel

The Single Tube Gas Block Housing is a wall mounted unit that is positioned internally at the cable entry point. An incoming external blown tube cable is connected to an internal blown tube cable using a gas sealing connector. The connector is used to seal both populated (with blown fibre bundle) and unpopulated blown tubing to prevent the ingress of gas into the building.

The BFGSU is used for internally fed cable or with an OAsys CLI Unit for a cable entering through the fabric of the wall.

Features

- Compact, low profile, wall mounted unit typically used in customer Premises
- Unit manufactured from fire resistant material to UL94-V0
- Supplied with components to mount unit to a wall and secure external cable
- Gas sealing connector used to provide connection of external and internal blown tubing. Connector provides a gas tight seal for populated (with Sirocco® blown fibre bundle) and unpopulated tubes. Gas seal connectors are supplied separately
- Accommodates up to one 1 tube external Sirocco® Blown Cable, and up to one Internal blown distribution cable
- For external cables fed via the wall fabric, an interface to an OAsys Internal Customer Lead In is required
- Can be used in conjunction with sirocco tube connector
- Allows for direct interface with 4F Termination Box

Description	Part Number
Single Tube Gas Block Housing	XBFSC00134

Prysmian Sirocco Blown Fibre Manifold

The Blown Fibre Manifold can be used on a variety of Prysmian rack mounted products including the SRS3000 sub-rack system and the PSP splice and patch shelf. The manifold provides the ability to enter onto a shelf with up to six blown fibre tubes. The manifold clips into place on the back of the shelves and is supplied with a cover to protect the fibres.

NEW excel

Features

- Enables up to six blown fibre tubes to be installed onto a splice and patch shelf
- Clips onto the back of the shelf without the need for screws or fasteners
- Cover can be fitted to protect the fibres and tube inside the manifold
- Manufactured from fire resistant UL94-V0 material

Description	Part Number
Blown Fibre Manifold	XKTSC00257

Prysmian Sirocco Internal TDU

The Internal Tube Distribution Units (TDU's) are used as a 3 or 4 way distribution point for tube management for vertical / horizontal connections of blown fibre tube cables. The TDU's allow the interception of a Blown Fibre Cable to be connected to spur off cables for distribution within the internal environment.

NEW excel

Features

- Ports can accept up to a 24 way Low Fire Hazard tube cable.
- Allows individual tube breakout and tube re-routing on vertical/ horizontal planes.
- Interception of existing part populated tube cable is possible.
- External/Internal interface interstitial gas blocking is possible.
- All parts made from flame retardant materials.

Description	Part Number
Internal Tube Distribution – 3 Way	XBFSC00026
Internal Tube Distribution – 4 Way	XBFSC00025

Prysmian Sirocco Blown Fibre Tube Patching Panel

The Sirocco Blown Fibre Tube patching Panel is compatible with 19" and ETSI rack practice and may be either vertically or horizontally mounted within the rack framework. The unit provides the patching capacity for up to 24 x 5mm diameter blown fibre tubes and allows for quick and easy reconfiguration of tube routing.

The unit is supplied with 24 x 5mm diameter bulkhead connectors and all accessories required to install the patching panel in to the rack.

NEW excel

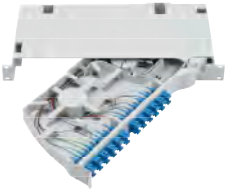
Features

- Compatible with 19" rack practice (1U) for direct mounting either in the vertical or horizontal plane.
- Compatible with ETSI rack practice (2SU) using front mounting.
- Patching panel accommodates up to 24 blown fibre tubes.
- Front facing unit allows easy access to all bulkhead connectors.

Description	Part Number
Sirocco Tube Patching Panel – 19" Rack Compatible (c/w 24 5mm bulkhead adapters)	XEXSC00914

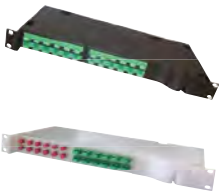
Prysmian Sirocco PSP Splice and Patch Shelf

The PSP splice and patch shelf is a low cost plastic 1U shelf designed for data market applications. The shelf allows the connection of up to 48 fibres on each unit and is compatible with 19" and ETSI racks. Cables enter at the rear of the shelf on the left hand side and pigtails exit the unit from the front face. The light weight product is easy to install and in built fibre management on the panel ensures that all installations are the same every time it is used which eliminates installation errors. The shelf is supplied either empty, in kit format, or with the pigtails and adapters pre-installed.



Features

- High density low cost compact design for up to 48 fibres.
- Compatible with SC, FC, E2000, LC, ST connecter types.
- Cables anchor on the rear of the unit using a cable anchor plate supplied.
- Unit manufactured from high strength fire retardant plastic to give a light weight solution.
- Supplied either as an empty unit, as standard format (with pigtails and adapters in a bag) for installer loading, or with the pigtails and adapters pre-installed by Prysmian are available upon request.
- All fibres are positively managed to a 30mm minimum bend radius.
- Shelf pivots out to for access to the splice tray and pigtail area.
- Shelf can be used as a patch only solution and allows excess cable lengths to be stored.
- Stackable splice bay allows for easy upgrade of splicing capacity.
- The shelf offers the ability to terminate up to 2 cables and allows through splicing of fibres.
- Compatible with Sirocco blown fibre cables using a Blown Fibre Manifold.
- The manifold enables up to 6 blown fibre tubes to be routed to a single shelf.
- Available in 2 colours – grey RAL 7035 and black.
- Compatible with Excel Adaptors and Pigtails



Picture shows shelf fitted with one FC panel and one SC panel

NEW excel

Description	Part Number
SC/E2000 Simplex or LC Duplex Grey PSP Shelf	XEXSCO1364
SC/E2000 Simplex or LC Duplex Black PSP Shelf	XEXSCO1367
SC/E2000 Duplex or LC Quad Grey PSP Shelf	XEXSCO1365
SC/E2000 Duplex or LC Quad Black PSP Shelf	XEXSCO1368
FC/ST Simplex Grey PSP Shelf	XEXSCO1366
FC/ST Simplex Black PSP Shelf	XEXSCO1369

Prysmian Sirocco PSP Splice and Patch Shelf - Additional Items

Required

Splice Protectors

Splice protectors are used to protect the fibre splice. They are 45mm in length.

Description	Part Number
Splice Protectors (Clear) 45mm	200-399

Optional

ARS Cable Anchor

The ARS Cable Clamp is used to anchor a single cable and to distribute up to 4 cable elements. The ARS is suitable for cables between 12 and 48 fibres. 1.5 metres of routing tube is supplied with the ARS. The ARS allows for the anchoring / termination of both the cable strength member and any Aramid with in the cable construction.

Description	Part Number
ARS Cable Anchor	XEXSC01129

Pack of 10 Crimp Splice Protector Bay

The Crimp Splice Protector Bay is used to hold up to twelve crimp splice protectors. The splice bays can be stacked two high on the 24 Fibre Swing. Our Splicing and Patching shelf to hold a total of twenty four crimp splice protectors.

Description	Part Number
Pack of 10 Crimp Splice Protector Bay	XKTSC00165

NEW excel

Prysmian Sirocco PSP Splice and Patch Shelf - Additional Items

Optional

19" to ETSI conversion brackets

The 19" to ETSI conversion brackets are easy to install to enable the 19" panel fit an ETSI Rack.

Description	Part Number
19" to ETSI Conversion Brackets Grey	XKTSC00171
19" to ETSI Conversion Brackets Black	XKTSC00172

Cage Nuts

Cage nuts are used to fit equipment to the 19" profiles.

Description	Part Number
Cage Nuts, pack of 50	M6CNU

Blown Fibre Manifold

The blown fibre manifold is used to take up to 6 blown fibre tubes of 5mm in diameter onto one PSP shelf. The manifold fits onto the back of the PSP splice and patch shelf and is supplied with a protective cover.

Description	Part Number
Blown Fibre Manifold	XKTSC00257

NEW excel

Prysmian Sirocco Blown Tube Patch Shelf

The 19" Blown Tube Patch Shelf provides a solution for connecting up to 48 blown fibre tubes of 5mm in diameter. The shelf is 3U in height and can be mounted into a 19" rack or street-side cabinet. The connectors inside the shelf are gas block connectors which means the shelf is ideal for connecting external tubes to internal tubes. This shelf, utilising the gas block connectors, when used in data centre installations, maintains the integrity of the gas sealing. This is particularly required between data halls to prevent gas escaping in the event of a fire. The unit is supplied with the 48 gas block connectors mounted into the steelwork and the fixings required to install it into a rack or street-side cabinet.

NEW excel

Features

- Provides suitable management for 5mm blown fibre tubes.
- Up to 48 gas block connectors can be accommodated.
- Compatible with 19" rack practice (3U) for direct mounting.

Description	Part Number
Sirocco Tube Patching Unit – 19" Rack Compatible, 3U High, Loaded with 48 gas block connectors	XBFSC00295

Prysmian Sirocco Tube Connectors

5mm Straight Connector

Used for connection of 5mm Sirocco tubing. Can be used in external plant and with internal Sirocco tubing of customer premises plant where gas sealing is not required.

Usage – 1 per tube connection. Pack of 10.

5mm Tube End Stop

Used for terminating unused Sirocco tubing within external plant.
The end caps will prevent the migration of water or solid material (mud, sand and dirt) or gas from entering the tubes. It is important that unused tubes are closed-off in this manner so that there is no potential for blockages when fibre installation occurs.

Usage – 1 per tube. Pack of 10.

5mm Gas Block Connector

Used to prevent gas migrating along the Sirocco tube and entering a customers premises. The connector is used with customer premises plant and provides the interface between external and internal Sirocco tubing. The device allows fibre to be 'blown through' into the customer premises. A sealing device is then activated externally to provide a seal between the fibre unit and the tube. XAGSC00404 should only be used in conjunction with 2 & 4f units and when the seals are installed within 10 metres from the ends of the route.

Usage – 1 per tube connection. Pack of 10.

NEW excel

Features

- Compatible with 19" rack practice (1U) for direct mounting either in the vertical or horizontal plane.
- Compatible with ETSI rack practice (2SU) using front mounting.
- Patching panel accommodates up to 24 blown fibre tubes.
- Front facing unit allows easy access to all bulkhead connectors.

Description	Part Number
5mm Straight Connector	XBFSC00075
5mm Tube End Stop	XBFSC00076
5mm Gas Block Connector	XBFSC00077

Prysmian Sirocco Close Down Assembly 3A

When using the Centre Blowing Installation process this is used to connect the two 5mm tubes thus ensuring that there is a continuous single tube over the entire route. This can be used in an external plant and with internal Sirocco tubing in a customer premises plant.

Usage – 1 per tube connection. Pack of 10.

NEW excel

Description	Part Number
Close Down Assembly 3A	XBFSC00041

Prysmian Sirocco Tube Cutter

Prysmian recommend the Sirocco blown fibre tube cutter for cutting individual tubes.

Features

- 3 to 8mm diameter

NEW excel

Description	Part Number
Sirocco Tube Cutter	XBFSC00078

Prysmian Sirocco Blowing Beads

These beads are fixed to the end of the blown fibre unit before blowing commences. The bead helps the guidance of the blown fibre unit through the blown fibre tube particularly where bends may be located.

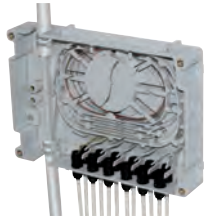
Features

- Packs of 1000

NEW excel

Description	Part Number
Sirocco Blowing Beads	XBFSC00001

Prysmian Sirocco Riser Box



The Riser Box is designed for use within apartment blocks and mid/highrise office blocks. The unit houses a single integral splice tray and allows fibres from an in-line blown fibre tube cable to be spliced to up to 12 customer drop cables. In cases where blown fibre tube cables are to be used for the customer drops, blown fibre bulkhead tube connectors can be fitted to the unit.

This unit can be used to extract a single tube from a 7 way internal cable ascending the riser.A 12-fibre EPFU (fibre unit) installed through this tube could feed up to 6 separate 2-fibre units into single tube internal cables for horizontal distribution.

Features

- Compact wall mounted unit allows installation within small spaces in residential and business premises alike.
- Removable cover for easy access.
- Tamperproof cover security screws available as an option.
- Unit manufactured from fire resistant UL94-V0 rated material.
- Kit supplied complete with all components necessary to install an in-line or butt cable and splice the fibres to either blown fibre tube customer drop cables or conventional customer drop cables.
- All fibres positively managed to 30mm minimum bend radius.
- Capacity is up to 12f.
- Cables up to 18.6mm in diameter can be accommodated.

NEW excel

Customer Connect Kit – Blown Fibre Tube Cable

The kit contains push fit bulkhead connectors and cable ties, required when adding Blown Fibre customer drop cables into the Riser Box. The bulkhead connectors are inserted into the knock-out ports in the box to provide anchorage for the Blown Fibre tube customer drop cables. The kit contains all of the components required to install up to 12 customer drop cables including splice protectors.

Customer Connect Kit – Conventional Cable

The kit contains rubber grommets and cable ties, required when adding customer drop cables into the Riser Box. The grommets are inserted into the knock-out ports in the box to provide anchorage and dust protection for the customer drop cables. The kit contains all of the components required to install up to 12 customer drop cables including splice protectors.

Description	Part Number
Riser Box	XCPSC00298
Connection kit for Riser Box blown fibre	XCPSC00299
Connection kit for Riser Box Conventional Cables	XCPSC00300

Prsymian Sirocco Installation Kit

The Installation Kit provides all of the equipment necessary to install the Sirocco Blown Fibre Solution and facilitates the installation of point-to-point connections including centre blows for longer distances.

Features

- For use when installing EPFU within buildings
- The unit can only be used internally

Kit Contents

- 240v/50Hz Electric Compressor
- Air Pressure Indicator / Valve
- Blowing Head
- Pan Guide
- Air Flow Meter Kit
- Pan Inversion Ring
- STILT
- Close Down Assemblies (10-off)
- Blowing Beads (1000-off)

Description	Part Number
Sirocco Installation Kit	XBFSC00045

Note: Authorised installation partners can hire the Prysmian Sirocco Installation kit on a week by week basis - please contact us on + 44 (0)121 326 7557 for further details and availability.

NEW excel

Excel Networking Cabinets & Enclosures

Excel Cabinet Quick Reference Chart	114
Excel Floor Standing Cabinets - 600 Series	116
Excel Floor Standing Cabinets - 800 Series	118
Excel Floor Standing Cabinets - Equipment Series	120
Excel Floor Standing Cabinets - Server+ Series	122
Excel Wall Mounted Enclosures	124
Excel Shelves	126
Excel Fan Trays	128
Excel Accessories	130
Excel Power Distribution	132
Excel Modular Power Distribution	136
Excel Intelligent Power Distribution	137

Please check with your local Excel Sales Office or distributor for in country product availability

Excel Cabinets - A Solution for Every Requirement

		Key Features						
excel without compromise.		U Size	Available widths	Available depths	Load bearing capacity	Colour	Manufactured to ISO 9000 standard	1U height markings
Excel Wall Cabinets		6U 9U 12U 15U 18U 21U	600mm	390mm 500mm 600mm	63kg	Grey or Black	✓	
600 Series Excel Floor Cabinets		12U 15U 18U 22U 27U 39U 42U 47U	600mm 800mm	600mm 800mm 1000mm*	400kg	Grey	✓	✓
800 Series Excel Floor Cabinets		22U 27U 39U 42U 47U	600mm 800mm	600mm 800mm 1000mm	400kg	Grey	✓	✓
Equipment Series Excel Server Cabinet		42U 47U	600mm 800mm	800mm 1000mm	400kg	Black	✓	✓
Server+ Series Excel Cabinet		42U 47U	600mm 800mm	1000mm 1200mm	1000kg	Black	✓	✓

* 600 series 1000mm deep only available on 27U sizes upwards

The Excel range of cabinets is extensive and we believe that we've got a quality solution to meet every installation requirement. To help you pick the product that's right for your requirement we've highlighted the key features and benefits below:

Quick release doors and side panels	Adjustable front and rear 19" mounting profiles	Swing lock handle on front door	Available in flat pack	Enhanced vertical management system	Full width vented front door	Space saving wardrobe style rear doors	Telescopic plinth	Jacking feet as standard	Available from stock
✓	✓		✓						✓
✓	✓	✓	✓					✓	✓
✓	✓	✓	✓	✓				✓	✓
✓	✓	✓	✓	✓ 800 only	✓	✓		✓	✓
✓	✓	✓		✓ 800 only	✓	✓	✓	✓ & Castors	✓

Excel Floor Standing Cabinets - 600 Series

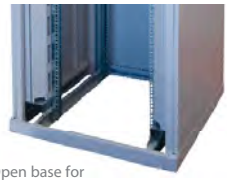
The 600 series is available in 8 heights from 12U through to 47U, and in certain sizes a choice of depth is also available including 600, 800 and 1000mm options. Each cabinet is supplied as standard with a glass front door, steel rear door and lift off steel side panels, all of which are lockable. Two sets of adjustable 19" mounting profiles are fitted, and the roof can be fitted with fan trays and cable entry brush strips as required. To minimize the weight and size of the side panel which may need to be removed, the 800 and 1000mm deep cabinets are designed with a two piece side panel, the removable panel is 595mm deep. These items are suitable for cabling, network equipment and server installations.

A full range of Excel accessories are available to complete cable or equipment installation from cable tray, plinth kits and shelving through to ventilation and power distribution units.

NEW DESIGN excel

Features

- Available in 8 heights – 12U, 15U, 18U, 22U, 27U, 39U, 42U and 47U
- Choice of depths in most sizes, 600mm, 800mm & 1000mm
- Aesthetically pleasing framed safety glass front door
- Quick release doors and side panels
- Swing lock handle on front door
- 1U height marking on 19" mounting profiles
- Adjustable front and rear 19" mounting profiles
- Horizontal strength supporting bars (a cable tray can be fixed to these)
- Open base for maximum cable access
- Cable entries with brush strips fitted in roof for cable entry
- Load carrying capacity 400KG
- Available assembled or flat pack



- Open base for maximum cable access

- Swing handle lock

- Clearly identified U height

- Angled vented roof

- Lockable lift off side panels

- Adjustable 19" mounting profiles

Photographs depict style only

Excel Floor Standing Cabinets - 600 Series

U Size	Width (mm)	Overall Height (mm)	Depth (mm)	Part Number Assembled
12U	600	705	600	540-512
15U	600	838	600	540-515
18U	600	971	600	540-518
22U	600	1149	600	540-195
22U	600	1149	800	540-197
27U	600	1326	600	540-200
27U	600	1326	800	540-205
27U	600	1326	1000	540-206
39U	600	1904	600	540-210
39U	600	1904	800	540-215
39U	600	1904	1000	540-217
42U	600	2038	600	540-220
42U	600	2038	800	540-225*
42U	600	2038	1000	540-283
47U	600	2260	600	540-230
47U	600	2260	800	540-235
47U	600	2260	1000	540-284

Note: For overall height when using jacking feet please add 30mm
For overall height when using castors please add 75mm

** Also available in black from stock: Part Numbers 540-225-BK and 540-225-BK-FP*

Call the sales team for lead times on black cabinets

Product Specification

Material Thickness	
Cabinet Part	
Upper and lower case	1.50mm
Top cover and fan entry plate	1.20mm
19" mounting angles	2.00mm
Rear door and side panels	1.20mm
Side extension panel*	1.00mm
Front door frame	1.50mm
Front door glass	4.00mm

** 800mm & 1000mm deep versions only*

Product Standard Compliance	
Process/Part	**Standard**
Manufacturing facility	ISO 9001:2000
19" mounting angles	IEC297-1
Overall cabinet dimensions	IEC297-2
Load carrying capacity	400kg
Paint finish, grey cabinet	Ral 7035
Paint finish, front door blue trim	Ral 5013
Glass door, safety spefication	BS3193:1993
Surface treatment	Phosphate Coating

FLEXIBLE excel In house assembly and configuration

Excel Floor Standing Cabinets - 800 Series

The 800 series is available in 5 heights from 22U through to 47U, and in certain sizes a choice of depth is also available including 600, 800 and 1000mm options. Each cabinet is supplied as standard with a glass front door, steel rear door and lift off steel side panels, all of which are lockable. Two sets of adjustable 19" mounting profiles are fitted, and the roof can be fitted with fan trays and cable entry brush strips as required. To minimize the weight and size of the side panel which may need to be removed the 800 and 1000mm deep cabinets are designed with a two piece side panel, the removable panel is 595mm deep. These items are suitable for cabling, network equipment and server installations.

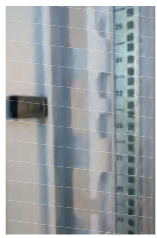
An enhanced vertical patch cable management system, running full height to the side of each of the front mounting profiles is a channel into which cable can be laid. Once cables are positioned a hinged full height cover is closed allowing all cables to be protected and hidden from view, providing an extremely tidy and aesthetically pleasing solution to patch cable management. At the appropriate height within the rack the cables can be routed from the channel into patch panels or equipment through the frequently positioned access slots.

A full range of Excel accessories are available to complete cable or equipment installation from cable tray, plinth kits and shelving through to ventilation and power distribution units.

NEW DESIGN excel

Features

- Available in 5 heights –22U, 27U, 39U, 42U and 47U
- Choice of depths in most sizes, 600mm, 800mm & 1000mm
- Enhanced vertical patch cable management system
- Aesthetically pleasing framed safety glass front door
- Quick release doors and side panel
- Swing lock handle on front door
- 1U height marking on 19" mounting profiles
- Adjustable front and rear 19" mounting profiles
- Horizontal strength supporting bars (a cable tray can be fixed to these)
- Open base for maximum cable access
- Load carrying capacity 400KG
- Available assembled or flat pack



- Enhanced vertical patch cable management system

Excel Floor Standing Cabinets - 800 Series

U Size	Width (mm)	Overall Height (mm)	Depth (mm)	Part Number Assembled
22U	800	1149	600	540-247
22U	800	1149	800	540-249
27U	800	1326	600	540-250
27U	800	1326	800	540-255
27U	800	1326	1000	540-256
39U	800	1904	600	540-260
39U	800	1904	800	540-270
39U	800	1904	1000	540-272
42U	800	2038	600	540-275
42U	800	2038	800	540-280*
42U	800	2038	1000	540-281
47U	800	2260	600	540-285
47U	800	2260	800	540-290
47U	800	2260	1000	540-282

Note: For overall height when using jacking feet please add 30mm
For overall height when using castors please add 75mm

** Also available in black from stock: Part Numbers 540-280-BK and 540-280-BK-FP*

Call the sales team for lead times on black cabinets

Product Specification

Material Thickness	
Cabinet Part	
Upper and lower case	1.50mm
Top cover and fan entry plate	1.20mm
19" mounting angles	2.00mm
Vertical cable management	1.50mm
Rear door and side panels	1.20mm
Side extension panel*	1.00mm
Front door frame	1.50mm
Front door glass	4.00mm

Product Standard Compliance	
Process/Part	Standard
Manufacturing facility	ISO 9001:2000
19" mounting angles	IEC297-1
Overall cabinet dimensions	IEC297-2
Load carrying capacity	400kg
Paint finish, grey cabinet	Ral 7035
Paint finish, front door blue trim	Ral 5013
Glass door, safety spefication	BS3193:1993
Surface treatment	Phosphate Coating

** 800mm & 1000mm deep versions only*

QUALITY excel In house Quality Assurance Team supporting assembly and configuration service

Excel Floor Standing Cabinets - Equipment Series

NEW excel

The Excel Equipment Series is a range of 19" free standing 800 and 1000mm deep cabinets designed for installation of cabling, networking and server equipment. With a load bearing capacity of 400kg and secure vented front door, typical applications include SME and remote office locations where the choice of 800 and 1000mm depths allow the installation of both passive and active equipment such as routers and servers into a single secure rack.

Each cabinet is designed with strength, ease of use and aesthetics in mind. Features such as incremental 1U marking on the mounting profiles, quick release doors and side panels, adjustable front and rear profiles and full access through the base of the cabinet make the product extremely flexible.

The aesthetically pleasing design is completed with the use of a full width highly vented front door fitted with a swing handle lock. To the rear of the rack are a pair of vented doors, opening in wardrobe style saving space, and allowing quick and easy access. Door hinging can be quickly and easily reversed left to right. The roof panel can be fitted with fan trays and cable entry brush strips. To minimize the weight and size of the removable side panel the cabinets are designed with a two piece side panel. The removable side panel is 595mm deep.

Vertical cable management in the 800mm wide cabinets provides full height channels adjacent to the front mounting profiles. Patch cables can be routed from the channel into patch panels or equipment through the frequently positioned access slots. To complete the aesthetically pleasing look, the channel – and all installed patch cables are covered with a hinged door plate, which is quickly and easily released via a slam latch lock.

A full range of Excel accessories are available to complete cable or equipment installation from cable tray, plinth kits and shelving through to ventilation and power distribution units.

- Clearly identified U height marking on front and rear profiles

Features

- Available from stock in 2 heights, 42U and 47U
- Choice of widths and depths in each height
- Full width vented front door
- Wardrobe vented rear doors
- Enhanced vertical management in 800 series
- Quick release doors and side panel
- 1U height marking on 19" mounting profiles
- Adjustable front and rear 19" mounting profiles
- Open base for maximum cable access
- Load carrying capacity 400KG
- Available assembled or flat pack

Excel Floor Standing Cabinets - Equipment Series

- Swing handle lock

- Full depth strength bars

- Open base for maximum cable access

U Size	Width (mm)	Overall Height (mm)	Depth (mm)	Part Number Assembled
600 Series				
42U	600	2038	1000	540-506-BK
47U	600	2260	1000	540-509-BK
800 Series				
42U	800	2038	800	540-507-BK
47U	800	2260	800	540-510-BK
42U	800	2038	1000	540-508-BK
47U	800	2260	1000	540-511-BK

Note: For overall height when using jacking feet please add 30mm
For overall height when using castors please add 75mm

All server cabinets are black

Product Specification

Material Thickness	
Cabinet Part	
Upper and lower case	1.50mm
Top cover and fan entry plate	1.20mm
19" mounting angles	2.00mm
Front and rear doors	1.20mm
Side panels	1.20mm
Side extension panel	1.00mm

Perforation Detail		
Cabinet	Front Door Full Width	Rear Door Wardrobe
42u 600mm wide	73%	46%
42u 800mm wide	77%	58%
47u 600mm wide	72%	45%
47u 800mm wide	76%	57%

Product Standard Compliance - Percentage Ventilation of Door Panel	
Process/Part	Standard
Manufacturing facility	ISO 9001:2000
19" mounting angles	IEC297-1
Overall cabinet dimensions	IEC297-2
Load carrying capacity	400kg
Paint finish	Ral 9005
Surface treatment	Phosphate Coating

Excel Floor Standing Cabinets - Server+ Series

NEW excel

The Excel Server+ range is designed for the safe and secure housing of network and server equipment. Available in two heights – 42 and 47U – and a choice of either 600 and 800mm widths, Server+ is ideal for mid size server rooms through to multi rack data centre installations. The welded frame construction creates an extremely strong, yet versatile cabinet.

Server+ is packed with design features which allow for ease of use and pleasing aesthetics. Key elements include strength and air flow / ventilation management. Easy access to equipment is also assured due to quick release side panels, and front and rear doors mounted with quick release spring loaded hinge pins.

Each rack consists of two sets of heavy duty full height 19" mounting profiles, which can be adjusted throughout the depth of the cabinet, between these profiles are four sets of front to rear strength members. This simple yet efficient design, creates an extremely rigid frame capable of carrying upto 1000kg of equipment.

The front door is a full width metal style panel, perforated with hexagonal cut outs to provide a highly vented finish. The stylish swing style handle incorporates a three point lock – fastening into the side, top and bottom of the frame – to provide maximum security.

To the rear of the rack are a pair of vented doors, opening in wardrobe style saving space, and allowing quick and easy access, as with the front door, three point locking is standard.

To minimise the weight and size of the removable side panels the Server+ range is designed with a two piece panel, the removable side panel is 688mm deep allowing ample access to equipment as required

To assist in the safe and easy maintenance and use of equipment mounted within the cabinet, the standard specification of each each Server+ rack includes a telescopic stabilising plinth. Also in the base of the cabinet is a sliding panel to allow for cable access as required, jacking feet and four non lockable castors are included as standard.

- Clearly identified U height marking on front and rear profiles

Features

- Available from stock in 2 heights, 42U and 47U
- Range of widths – 600 and 800mm
- Depth – 1000mm or 1200mm
- Built in telescopic stabilising plinth
- High load bearing design – 1000kg
- In excess of 70% venting on front doors
- Space saving wardrobe style rear doors
- High security 3 point locking as standard
- Wide range of power management and ventilation accessories

Excel Floor Standing Cabinets - Server+ Series

- High security 3 point locking as standard

- Sliding panel at base allows cable access

- Telescopic stabilising plinth fitted as standard

U Size	Width (mm)	Overall Height (mm)	Depth (mm)	Part Number Assembled
42	600	2049	1000	540-501-BK
42	600	2049	1200	540-540-BK
47	600	2272	1000	540-503-BK
42	800	2049	1000	540-502-BK
42	800	2049	1200	540-541-BK
47	800	2272	1000	540-504-BK

Note: For overall height when using jacking feet please add 30mm
For overall height when using castors please add 75mm

All server cabinets are black

Product Specification

Material Thickness	
Cabinet Part	
Upper and lower case	2.00mm
Top cover and fan entry plate	1.20mm
19" mounting angles	2.00mm
Front and rear doors	1.20mm
Side panels	1.20mm
Side extension panel	1.00mm
Frame	2.00mm
Front to rear support rails	2.00mm

Product Standard Compliance - Percentage Ventilation of Door Panel	
Process/Part	Standard
Manufacturing facility	ISO 9001:2000
19" mounting angles	IEC297-1
Overall cabinet dimensions	IEC297-2
Load carrying capacity	1000kg
Paint finish	Ral 9005
Surface treatment	Phosphate Coating
IP protection	IP30

Perforation Detail		
Cabinet	Front Door Full Width	Rear Door Wardrobe
42u 600mm wide	73%	46%
42u 800mm wide	77%	58%
47u 600mm wide	72%	45%
47u 800mm wide	76%	57%

SERVICE excel
Order online in UK up to 8pm for FREE next day delivery

Excel Wall Mounted Enclosures

Excel wall mount enclosures are available in a choice of 390mm, 500mm and 600mm depths. They are designed for the installation of both cabling and equipment and are ideal for use across a range of applications including local area networking (LAN) cabling and hardware, and the housing of security, audio and visual equipment.

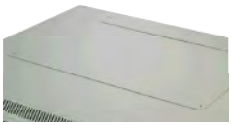
Each cabinet is designed with strength, ease of use and aesthetics in mind. Features such as quick release doors and side panels, fully adjustable front and rear profiles and above average access through either the top or base of the cabinet make the product extremely flexible and easy to install cables and equipment in to.

A full range of Excel accessories are available to complete cable or equipment installation from shelving through to ventilation and power distribution units.

Features

- Choice of 390mm, 500mm and 600mm depths
- Available in 6 heights, 6U, 9U, 12U, 15U, 18U and 21U
- Available in grey and black
- Aesthetically pleasing framed safety glass front door
- Quick release doors and side panel
- Adjustable front and rear 19" mounting profiles
- Removable cable entry panel in top and base. NB. The back is not removeable.

RANGE EXTENDED excel 600mm deep now available



- Cable entry cut out in top and base

- Angled vented roof

- Adjustable 19" mounting profiles

Product Specification

Material Thickness	
Cabinet Part	
Frame	1.20mm
Top cover and fan entry plate	1.20mm
19" mounting angles	1.50mm
Side panels	1.20mm
Front door frame	1.20mm
Front door glass	5.00mm

Product Standard Compliance	
Process/Part	**Standard**
Manufacturing facility	ISO 9001:2000
19" mounting angles	IEC297-1
Overall cabinet dimensions	IEC297-2
Load carrying capacity, 390mm	63kg
Load carrying capacity, 500mm	60kg
Paint finish, grey cabinet	Ral 7044
Paint finish, black cabinet	Ral 9004
Paint finish, front door blue trim	Ral 5013
Glass door, safety specification	BS3193:1993
Surface treatment	Phosphate Coating

Photographs depict style only

Excel Wall Mounted Enclosures

390 Series – 390mm Deep

U Size	Width (mm)	Overall Height (mm)	Depth (mm)	Part Number Grey	Part Number Grey Flat Pack	Part Number Black	Part Number Black Flat Pack
6U	600	368	390	WB6.390SG	WBFP6.390SG	WB6.390SG-BK	WBFP6.390SGB
9U	600	501	390	WB9.390SG	WBFP9.390SG	WB9.390SG-BK	WBFP9.390SGB
12U	600	635	390	WB12.390SG	WBFP12.390SG	WB12.390SG-BK	WBFP12.390SGB
15U	600	769	390	WB15.390SG	WBFP15.390SG	WB15.390SG-BK	WBFP15.390SGB
18U	600	901	390	WB18.390SG	WBFP15.390SG	WB18.390SG-BK	WBFP18.390SGB

500 Series – 500mm Deep

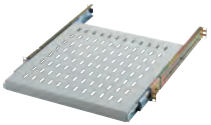
U Size	Width (mm)	Overall Height (mm)	Depth (mm)	Part Number Grey	Part Number Grey Flat Pack	Part Number Black	Part Number Black Flat Pack
6U	600	368	500	WB6.5SG	WBFP6.5SG	WB6.5SGB	WBFP6.5SGB
9U	600	501	500	WB9.5SG	WBFP9.5SG	WB9.5SGB	WBFP9.5SGB
12U	600	635	500	WB12.5SG	WBFP12.5SG	WB12.5SGB	WBFP12.5SGB
15U	600	769	500	WB15.5SG	WBFP15.5SG	WB15.5SGB	WBFP15.5SGB
18U	600	901	500	WB18.5SG	WBFP18.5SG	WB18.5SGB	WBFP18.5SGB
21U	600	1037	500	WB21.5SG	WBFP21.5SG	WB21.5SGB	WBFP21.5SGB

600 Series – 600mm Deep

U Size	Width (mm)	Overall Height (mm)	Depth (mm)	Part Number Grey	Part Number Grey Flat Pack	Part Number Black	Part Number Black Flat Pack
6U	600	368	600	WB6.6SG	WBFP6.6SG	WB6.6SGB	WBFP6.6SGB
9U	600	501	600	WB9.6SG	WBFP9.6SG	WB9.6SGB	WBFP9.6SGB
12U	600	635	600	WB12.6SG	WBFP12.6SG	WB12.6SGB	WBFP12.6SGB
15U	600	769	600	WB15.6SG	WBFP15.6SG	WB15.6SGB	WBFP15.6SGB
18U	600	901	600	WB18.6SG	WBFP18.6SG	WB18.6SGB	WBFP18.6SGB
21U	600	1037	600	WB21.6SG	WBFP21.6SG	WB21.6SGB	WBFP21.6SGB

FLAT PACK excel Now available for fast on site assembly

Excel Shelves



We offer a full range of fixed and sliding shelves in a selection of sizes, to suit the range of Excel enclosures including the Equipment Series and Server+ cabinets.

Features

- Choice of depths
- Available in grey or black
- Compatible with all Excel floor and server cabinets
- All fixed shelves are 90kg load bearing
- All sliding shelves are 60kg load bearing

Fixed Shelves

Part Number Grey	Part Number Black	Shelf Depth	Suitable for cabinet size					
			600 x 600	600 x 800	600 x 1000	800 x 600	800 x 800	800 x 1000
540-524	540-524-BK	400mm	✓			✓		
540-521	540-521-BK	525mm		✓			✓	
540-522	540-522-BK	720mm			✓			✓

Sliding Shelves

Part Number Grey	Part Number Black	Shelf Depth	Suitable for cabinet size					
			600 x 600	600 x 800	600 x 1000	800 x 600	800 x 800	800 x 1000
540-531	540-531-BK	400mm	✓			✓		
540-535	540-535-BK	525mm		✓			✓	
540-536	540-536-BK	720mm			✓			✓

Excel Shelves

Adjustable Depth Shelves

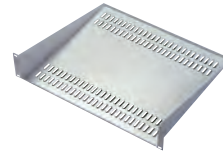
The Excel adjustable depth shelves provide great flexibility within the cabinet. Choose from black or grey. Two shelves fully adjustable, either 385mm to 605mm or 530mm to 920mm deep. Fitted using just 1U of the 19" profiles. Maximum weight loading is 80kg when closed or 60kg when fully extended.

Features

- Easy fixing to the 19" profiles
- Fully adjustable
- Choice of depths
- Available in black or grey
- Max load bearing 60 - 80kg
- Compatible with all Excel floor and server cabinets

Description	Part Number - Grey	Part Number - Black
1U 19" fixing adjustable shelf, 385mm - 605mm	540-525	540-525-BK
1U 19" fixing adjustable shelf, 530mm - 920mm	540-526	540-526-BK

Front Mounted Modem/Cantilever Shelves



Available in two heights to fix directly to the front of the 19" mounting angles.

Features

- Choice of depths
- Available in grey or black
- Maximum load 35kg
- Compatible with all Excel floor and wall cabinets

Description	Part Number - Grey	Part Number - Black
190mm Deep Cantilever Vented Shelf 1U	MS19	MS19B
350mm Deep Cantilever Vented Shelf 2U	MS35	-
400mm Deep Cantilever Vented Shelf 2U	MS40	MS40B

Excel Cabinet Roof Mounted Fan Trays

These units fit into the roof section of the Excel floor standing and Equipment Series cabinets. The two way version also fits into the roof section of Excel wall mounted enclosures. Consists of two or four 230V, 50Hz fans. The Fan trays are supplied with either a BS1363 (UK) or Schuko 3m C13 power leads *(See Part Number tables)*. The C13 power leads allow for easy installation and may be replaced to suit the specific power connection.

Features

- Two or four fans per tray
- Quick and easy to fit
- Noise level 27 – 28dB
- Available in black and grey
- Supplied with mains lead
- Airflow 78 – 84m3/hour per fan

Part Numbers - BS1363 (UK) Plug

Description	Part Number Grey	Part Number Black
2 Way Roof Fan - UK	540-302	540-302-BK
4 Way Roof Fan - UK	540-304	540-304-BK

Part Numbers - Schuko Plug

Description	Part Number Grey	Part Number Black
2 Way Roof Fan - Schuko	540-302-SCHUKO	540-302-BK-SCHUKO
4 Way Roof Fan - Schuko	540-304-SCHUKO	540-304-BK-SCHUKO

Excel Server+ Fan Trays

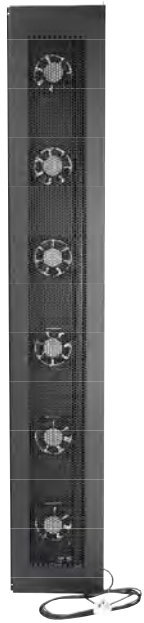
Roof Mount Fan Trays

These units fit into the Excel Server+ Series cabinets. Supplied with mains lead CEE22 to 13 AMP Plug, with six 230V, 50Hz 38mm fans. The version with digital thermostat controls a range between 0-35 degrees.

Features

- Quick and easy to fit
- Air flow 2.3m3/min
- Air removal CFM: 80
- Noise level 47dB (lower noise is optional)

Vertical Fan Trays



The vertical fan trays are built into the rear vented door to provide further cooling to the rack. Each unit includes six 230V, 50Hz 38mm fans.

Features

- Thermostat fitted as standard
- 3mtr mains cable with 3 pin UK plug
- Suitable for 600mm and 800mm wide Server+ cabinets

Description	Part Number
6 way roof tray - no thermostat - manual on/off switch Black	541-100-BK
6 way roof tray - digital thermostat - manual on/off switch Black	541-101-BK
Vertical door style fan unit for 600 wide doors 42u	541-102-BK
Vertical door style fan unit for 600 wide doors 47u	541-103-BK
Vertical door style fan unit for 800 wide doors 42u	541-104-BK
Vertical door style fan unit for 800 wide doors 47u	541-105-BK

Excel One Piece Plinth

Available as an option to suit all sizes of Excel Floor Standing and Equipment Series cabinets. The one piece plinth increases the overall height of the cabinet by approximately 100mm and allows for easy cable access into the base of the cabinet. The plinth will accept castors or jacking feet.

Features

- Cable entry to cabinet via rear brush strip
- Increases cabinet height by 100mm
- Compatible with Excel floor standing and Equipment Series server cabinets

Description	Part Number - Grey	Part Number - Black
Suitable for cabinet size		
600 x 600	540-241	-
600 x 800	540-242	540-242-BK
600 x 1000	540-246	540-246-BK
800 x 600	540-243	540-243-BK
800 x 800	540-244	540-244-BK
800 x 1000	540-248	540-248-BK

Excel Castors/Jacking Feet

Castors can be added to the cabinet base to improve mobility. Jacking feet can be used to allow levelling on uneven floors and prevent movement when used in conjunction with castors.

Features

- Easy to fit
- Load bearing capacity 110kg
- Supplied in sets of four (two of which are lockable)

Description	Part Number
Castors, set of 4	540-500
Jacking Feet, set of 4	540-446

Note: Jacking feet are supplied FREE with all Excel 600, 800 and Equipment Series cabinets. Server+ Racks come complete with castors.

Excel Baying Kit

The bolt-together kit is used to secure cabinets together in a bay or suite.

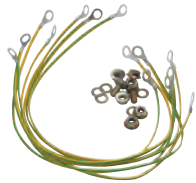
Features

- Easy to fit

Description	Part Number - Grey	Part Number - Black
Baying kit, to suit Excel floor cabinet and Equipment Rack – 600, 800, 1000	540-448	540-448-BK
Baying kit, to suit Server+ Series	-	540-449-BK

Earth Bonding Kit

An Earth Bonding Kit is installed between the frame and doors, all panels are fitted with earth studs.



Description	Part Number
Earth Bonding Kit, 4 wires	540-097
Earth Bonding Kit, 8 wires	540-095

Excel Power Distribution Units – BS1363

An extensive range of professional grade power distribution units designed specifically for the 19" electronic enclosure market. Offered with a comprehensive range of socket choice to suit wall mounting or floor standing cabinets.

Features

- Robust all aluminium housing
- BS1363 sockets angled for optimum cable dressing on vertical mount units
- Fully shrouded switch
- External earth facility
- Illuminated power indicator
- 3 metre input lead terminated with a BS1363 plug fused at 13A
- Unit overall rating 13A, 250V~
- Choice of vertical or horizontal mounting

Description	Part Number
4 Way BS1363 Power Strip Horizontal	D13-4H-EXL
5 Way BS1363 Power Strip Horizontal	D13-5H-EXL
6 Way BS1363 Power Strip Vertical	D13-6-EXL
6 Way BS1363 Power Strip Horizontal	D13-6H-EXL
8 Way BS1363 Power Strip Vertical	D13-8-EXL
10 Way BS1363 Power Strip Vertical	D13-10-EXL
12 Way BS1363 Power Strip Vertical	D13-12-EXL

Excel Power Distribution Units – Surge Protected – BS1363

An extensive range of professional grade power distribution units designed specifically for the 19" electronic enclosure markets. These units feature an on-board protection system to guard against surges, spikes and other mains borne transients. Suitable for high system exposure levels for location categories A & B (6kV 3kA) and medium system exposure level, location category C (BS6651:1992 appendix C). Mains surge protection 6.5kA peak current. Offered with a comprehensive range of socket choice to suit wall mounting or floor standing cabinets.

Features

- Robust all aluminium housing
- BS1363 sockets angled for optimum cable dressing on vertical mount units
- 6.5kA surge protection
- External earth facility
- 3 metre input lead terminated with a BS1363 plug fused at 13A
- Unit overall rating 13A, 250V~
- Choice of vertical or horizontal mounting

Description	Part Number
6 Way BS1363 Filtered Power Strip Horizontal	D13-6HF-EXL
8 Way BS1363 Filtered Power Strip Vertical	D13-8F-EXL
10 Way BS1363 Filtered Power Strip Vertical	D13-10F-EXL
12 Way BS1363 Filtered Power Strip Vertical	D13-12F-EXL

Excel Power Distribution Units – EN 60309 Style (BS4343)

An extensive range of professional grade power distribution units designed specifically for the 19" electronic enclosure markets. Offered with a comprehensive range of socket choice to suit wall mounting or floor standing cabinets. The plug leads on this range are terminated with an industrial specification BS EN 60309 (BS4343) 2P+E 16A,250V~ connector, often referred to as a commando style plug.

Features

- Robust all aluminium housing
- BS1363 sockets angled for optimum cable dressing on vertical mount units
- Fully shrouded switch
- External earth facility
- Illuminated power indicator
- 3 metre input lead terminated in a BS EN 60309 (BS4343) 16A, 250V~ plug
- Unit overall rating 16A or 32A, 250V~
- Choice of vertical or horizontal mounting

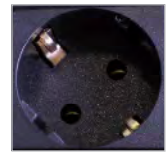
Description	Part Number
6 Way BS4343 Power Strip Horizontal 16A	D16-6H-EXL
8 Way BS4343 Power Strip Vertical 16A	D16-8-EXL
10 Way BS4343 Power Strip Vertical 16A	D16-10-EXL
12 Way BS4343 Power Strip Vertical 16A	D16-12-EXL
8 Way BS4343 Power Strip Vertical 32A	D32-8-EXL
10 Way BS4343 Power Strip Vertical 32A	D32-10-EXL
12 Way BS4343 Power Strip Vertical 32A	D32-12-EXL

Excel Power Distribution Units – Schuko Style

Photographs represent style only

The Excel range of power distribution units are designed for installation and use within 19" networking cabinets and enclosures. Each unit comprises a high quality aluminium extruded housing into which are loaded up to 12 sockets. In this particular range each socket is 'Schuko' style, manufactured in accordance with the DIN49441 standard, the 2 metre input lead is terminated with a 16AMP rated 2 time circular pin DIN49441 plug top.

The range of available units includes 19" horizontally mounted, higher density vertical mounted options, and a choice of styles with and without switches to control input power to the unit itself. The unswitched versions have a LED indicator to confirm power to the unit, in the switched versions the switch itself acts as the LED indicator.



Features

- High quality aluminium housing
- Switched and unswitched options
- LED indicator
- Up to 12 sockets per unit
- Choose from vertical and horizontal mounting options
- 2 metre input lead terminated with 2 pin DIN49441 plug
- 250 volt AC, 50/60Hz Rating
- CE safety compliant, RoHS complaint
- Choose from switched and unswitched options

Switched Units

Description	Part Number
4 socket, horizontal mounting	555-070

Unswitched Units

Description	Part Number
5 socket, horizontal mounting	555-081
8 socket, vertical mounting	555-083
9 socket, vertical mounting	555-084

Suitable for use in Germany, Austria, Finland, Luxembourg, Netherlands, Norway, Portugal, Sweden and Spain. May also be used in France and Belgium.

Excel Modular Power Distribution Units

The Excel range of modular power distribution strips introduces flexibility and design options which until now have not been available in products of this type. Core to the product range is a U shaped housing, manufactured from high quality, lightweight aluminium which is terminated with a 2 metre mains connection lead, with commando style and standard 3 pin plug options.

A range of socket modules are available which snap into this housing quickly, easily, and securely without the need for tooling.

The range of modules available enable users to mix and match socket styles to suit initial – and more importantly – changing connectivity or socket density requirements.

Current 'standard' power distribution units, offer little if any flexibility, meaning users have to install single style socket units, multiple units, or purchase power leads or converters to match equipment connectors with power strip sockets.

To add to the flexibility of product choice and configuration, modules can be 'hot swapped' at any time after initial installation. Simply detach devices connected to the module which needs to be swapped, remove the original module and snap in the replacement. All other modules remain fully operational, reducing installation time, equipment down time, and extending the useable lifetime of the power strip unit itself.

- Snap in module design IEC320 C13 10AMP sockets shown

- BS1363 sockets

- IEC320 C19 16AMP sockets

- GB2099.3 universal sockets

- DIN49440 Schuko sockets**

Features

- Unrivalled flexibility
- Choice of socket style and density
- Mix and match socket styles to suit installed product
- Each socket module is fused and has power light indicator
- Extends useable life of power distribution units
- Hot swap modules minimise network down time
- High quality aluminium housing

Mounting Hardware - Standard Stock Products

Description	Part Number
Excel Modular PDU – 4 x GB2099.3 universal sockets	555-063
Excel Modular PDU – 4 x DIN49440 Schuko Sockets**	555-065

** Suitable for use in Germany, Austria, Finland, Luxembourg, Netherlands, Norway, Portugal, Spain and Sweden. May also be used in France and Belgium

Mounting Hardware - Available to order

Description	Part Number
Excel Modular PDU 6 way unloaded housing 16AMP BS4343	555-051
Excel Modular PDU 6 way unloaded housing 13AMP BS1363	555-052
Excel Modular PDU 5 way unloaded housing 32AMP BS4343	555-053
Excel Modular PDU 5 way unloaded housing 13AMP BS1363	555-055
Excel Modular PDU - 4 x NF C61-314 sockets*	555-064

* Suitable for use in France and Belgium

Excel Intelligent Power Distribution Units – Managed

The Excel Intelligent Power Distribution Units – Managed (Managed PDU) allows superior monitoring and control via the Local Area Network (LAN) using a standard web browser (e.g. Internet Explorer, Firefox, Chrome, etc.). The introduction of the CRC Energy Efficiency Scheme Order 2010 will require the closer measurement of energy consumed. The Managed PDU will provide this while having the ability to send Email and audible alerts following configurable threshold limits being broken. Multiple units may be linked together via infrastructure cabling thus requiring only one IP address for access and monitoring. The managed PDU allows individual control of each socket or a sequential start up to prevent a power surge. This can be carried out either on a real time basis or by configuring a timed on/off. The addition of sensors allows for the detection of Temperature/ Humidity, Smoke, Water, Door Opening. In addition to a web browser the Managed PDU can be controlled via SNMP or Telnet. The SNMP Management Information Base (MIB) files are supplied with the PDUs. Firmware and MIB file updates will be available for download from the Excel website www.excel-networking.com.

Features

- Remotely monitor individual socket electrical load via LAN
- Sequential socket power on/off
- Socket on/off time configurable for each socket
- Embedded web server accessed via web browser
- Link units for single IP address control
- 8, 12, 16, 20 & 24 Socket Versions
- IEC 320 C13 & C19 or BS1363 Socket Connectors
- Optional sensors available
- Audible and email alerts
- Horizontal and Vertical versions

NEW excel

Description	Part Number
Excel Intelligent PDU Managed 8 Way C13 + 4 Way C19 with 16A IEC60309 plug – Horizontal	555-210
Excel Intelligent PDU Managed 12 Way C13 + 4 Way C19 with 16A IEC60309 plug – Vertical	555-211
Excel Intelligent PDU Managed 16 Way C13 + 4 Way C19 with 32A IEC60309 plug – Vertical	555-212
Excel Intelligent PDU Managed 20 Way C13 + 4 Way C19 with 32A IEC60309 plug – Vertical	555-213
Excel Intelligent PDU Managed 16 Way BS1363 with 16A IEC60309 plug – Vertical	555-215
Excel Intelligent PDU Managed 20 Way BS1363 with 32A IEC60309 plug – Vertical	555-216
Excel Intelligent PDU Managed 24 Way BS1363 with 32A IEC60309 plug – Vertical	555-217

Other configurations are available. Contact your local Excel supplier.

Accessories

Description	Part Number
Excel Intelligent PDU Hub	555-220
Excel Intelligent PDU Temperature / Humidity Sensor	555-221
Excel Intelligent PDU Smoke Sensor	555-222
Excel Intelligent PDU Water Logging Sensor	555-223
Excel Intelligent PDU Door Sensor	555-224

Excel Intelligent Power Distribution Units - Monitored

The Excel Intelligent Power Distribution Units – Monitored (Monitored PDU) allows the total electrical current to be measured via the Local Area Network (LAN) using a standard web browser (e.g. Internet Explorer, Firefox, Chrome, etc.). The software and web browser are housed within the unit enabling a simple LAN connection to be the only additional hardware installation required. The introduction of the CRC Energy Efficiency Scheme Order 2010 will require the closer measurement of energy consumed. The monitored PDU will provide this while having the ability to receive Email and audible alerts following configurable threshold limits being broken. Multiple units may be linked together via infrastructure cabling thus requiring only one IP address for access and monitoring. The addition of sensors allows for the detection of Temperature/Humidity, Smoke, Water, Door Opening. The monitored PDU are available in a range of connector types and quantities.

Monitoring is via a web application on a web browser, SNMP or Telnet. The SNMP Management Information Base (MIB) files are supplied with the PDUs. Firmware and MIB file updates will be available for download from the Excel website www.excel-networking.com

The Monitored PDUs are offered with a choice of socket types to suit vertical mounting within cabinets or wall mounted.

NEW excel

Features

- Remotely monitor total electrical load via LAN
- Embedded web server accessed via web browser
- Link units for single IP address control
- 12, 16, 20 & 24 Socket Versions
- IEC 320 C13 & C19 or BS1363 Socket Connectors
- Optional sensors available
- Audible and email alerts
- Vertical mounting within cabinet or to wall

Description	Part Number
Excel Intelligent PDU Monitored 12 Way C13 + 4 Way C19 with 16A IEC60309 plug – Vertical	555-201
Excel Intelligent PDU Monitored 16 Way C13 + 4 Way C19 with 32A IEC60309 plug – Vertical	555-202
Excel Intelligent PDU Monitored 20 Way C13 + 4 Way C19 with 32A IEC60309 plug – Vertical	555-203
Excel Intelligent PDU Monitored 16 Way BS1363 with 16A IEC60309 plug – Vertical	555-205
Excel Intelligent PDU Monitored 20 Way BS1363 with 32A IEC60309 plug – Vertical	555-206
Excel Intelligent PDU Monitored 24 Way BS1363 with 32A IEC60309 plug – Vertical	555-207

Other configurations are available. Contact your local Excel supplier.

Accessories

Description	Part Number
Excel Intelligent PDU Hub	555-220
Excel Intelligent PDU Temperature / Humidity Sensor	555-221
Excel Intelligent PDU Smoke Sensor	555-222
Excel Intelligent PDU Water Logging Sensor	555-223
Excel Intelligent PDU Door Sensor	555-224

Excel Voice Cabling Systems

Excel Internal Grade Low Smoke and Fume Cable – CW1308	140
Excel Internal/External Grade Low Smoke Zero Halogen Cable – CW1308B	141
Excel External Grade Cable – CW1128	141
Excel Armoured External Grade Cable – CW1128/1198	142
Excel Connection Boxes	142
Excel Distribution Frames	144
Excel Terminal Strips	145
Excel Voice Panel – RJ45 Presentation	146

Please check with your local Excel Sales Office or distributor for in country product availability

Excel Internal Grade Low Smoke and Fume Cable – CW1308

The following range of multipair internal telephone cables are manufactured in accordance with BT type CW1308. These Cores are twisted into pairs and the required number of pairs are then laid up in either layers for cables containing up to and including 25 pairs, or in units for items of 32 pairs and above, the pairs are colour coded for ease of identification. An earth conductor of 1.38mm plain copper is included where shown.

Features

- Choice of reel sizes
- Low smoke and fume as standard
- Cut to length service above 20 Pair
- For colour and reel size availability please contact our Sales Office
- 0.5mm conductor size
- 25 Year System Warranty

Description	Part Number
10 Pair + Earth CW1308	TC010PE
20 Pair + Earth CW1308	TC020PE
25 Pair + Earth CW1308	TC025PE
40 Pair + Earth CW1308	TC040PE
50 Pair + Earth CW1308	TC050PE
100 Pair + Earth CW1308	TC100PE
160 Pair + Earth CW1308	TC160PE
200 Pair + Earth CW1308	TC200PE

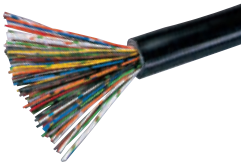
NB: For pair counts not shown, please contact our Sales Office or your nearest Excel distributor

LSF CABLE AS STANDARD excel

FREE excel Cut to length service above 20 Pair

Please contact our Sales Office or your nearest Excel distributor

Excel Internal/External Grade Low Smoke Zero Halogen Cable – CW1308B



The following range of Multipair Telephone Cables are constructed in a similar way to Standard CW1308 but are suitable for Internal and External use due to a UV resistant jacket. The Cables specification is further enhanced by the use of Low Smoke Zero Halogen (LSOH) Outer Sheath.

Features

- Internal/External grade
- Save installation time and cost
- Black LSOH outer sheath
- Integral 1/1.38mm earth conductor
- 0.5mm conductor size
- 25 Year System Warranty

Description	Part Number
10 Pair + Earth CW1308B	TC010PE-INEX
20 Pair + Earth CW1308B	TC020PE-INEX
25 Pair + Earth CW1308B	TC025PE-INEX
50 Pair + Earth CW1308B	TC050PE-INEX
100 Pair + Earth CW1308B	TC100PE-INEX
200 Pair + Earth CW1308B	TC200PE-INEX
320 Pair + Earth CW1308B	TC320PE-INEX

Excel External Grade Cable – CW1128

The following range of cables are made up from conductors of solid plain copper insulated with cellular (foamed) polyethylene. These conductors are twisted into pairs and the required number of pairs are laid up into units which are identified by coloured tapes. The cables are petroleum jelly filled and sheathed in black polyethylene, and are manufactured in accordance with BT type CW 1128.

Features

- UV and moisture resistant
- Choice of conductor size
- 25 Year System Warranty

Description	Part Number
5 Pair 1/0.50mm CW1128	TCJF5005PB
10 Pair 1/0.50mm CW1128	TCJF5010PB
20 Pair 1/0.50mm CW1128	TCJF5020PB
50 Pair 1/0.50mm CW1128	TCJF5050PB
100 Pair 1/0.50mm CW1128	TCJF5100PB
200 Pair 1/0.50mm CW1128	TCJF5200PB
5 Pair 1/0.90mm CW1128	TCJF9005PB
10 Pair 1/0.90mm CW1128	TCJF9010PB

Excel Armoured External Grade Cable – CW1128/1198

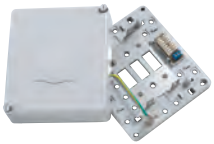
These cables are manufactured as the external cables detailed previously but have the addition of a steel wire armouring for direct burial applications. The cables are manufactured in accordance with BT type CW 1128/1198.

Features

- UV and moisture resistant
- Suitable for direct burial
- 0.5mm conductor size

Description	Part Number
5 Pair CW1128/1198	TCJFA5005PB
10 Pair CW1128/1198	TCJFA5010PB

Excel Connection Boxes – 200 Series



The Excel 200 Series accepts standard 237A IDC Connection Strips. Full wire management features are built into the base and the cover provides ample knockouts for cable entry.

Features

- 20/30 Pair Capacity Using Standard Terminal Strips
- Cable Tie Fixings
- Suits all Terminal Strips
- Dimension - 160(W) x 145(D) x 55(H)
- Supports Protector Strip 51A

Description	Part Number
Excel 2 Way Connection Box	550-260
Excel 2 Way Connection Box Loaded with 2 x 10 Pair Terminal Strips	550-261
Excel 3 Way Connection Box	550-262
Excel 3 Way Connection Box Loaded with 2 x 10 Pair Terminal Strips	550-263

Excel Connection Boxes – 250 Series

A Plastic Enclosure fitted with 5 Way Backmount Frame to allow the installation of up to 5 Terminal Strips. The cover is secured by large head quick release screws.

Features

- Suits All Terminal Strips
- Internal Clearance 70mm
- Dimensions 210 x 160 x 90mm
- Supplied with 4 Jumper Rings
- Supplied with Earth Post

Description	Part Number
5 Way Connection Box, Type 251A	550-264
Jumper Ring, Type 37B	550-400

Excel Connection Boxes – 300 Series

A Plastic Enclosure fitted with 10 Way Backmount Frame to allow the installation of up to 10 Terminal Strips. The cover is secured by large head quick release screws. Jumper Rings can be added to provide Cable Management.

Features

- Suits all Terminal Strips
- Internal Clearance 90mm
- Dimensions 320 x 210 x 120mm
- Supplied with Earth Post

Description	Part Number
10 Way Connection Box, Type 301A	550-265
Jumper Ring, Type 37B	550-400

Excel Connection Boxes – 500 Series

The Excel Series of Connection Boxes offer increased pair capacity while maintaining an industry standard footprint. The stainless steel backmount frame verticals support 237 Style strips giving a normal capacity of 340, 690, 1020 and 1600 pairs depending on the model. The Excel Connection Box Range allows an extra 5 way backmount to be fitted under the standard verticals increasing the capacities to a roomy 390, 780 or 1170 pairs. The door opens through a 180° for a ease of access, it can be removed entirely using quick release hinges and is easily reversed for left-right opening applications.

Features

- Industry Standard Footprint
- Extra Backmounts Increase Capacity
- Jumper Rings for Tidy Cable Management

Description	Dimensions (WxHxD)mm	Part Number
Excel Box Connection 510 (340 Pairs)	300 x 1000 x 130	550-270
Excel Box Connection 520 (690 Pairs)	500 x 1000 x 130	550-272
Excel Box Connection 530 (1020 Pairs)	750 x 1000 x 130	550-274

Excel Distribution Frame – 111B

The Modular construction of the 111B means that any size of installation can be equipped using a standard building block. The 111B is compatible with older style frames e.g. 105, 108 to allow extension of existing installations. Single verticals can be joined side by side for wall mounting or back to back to form a free standing system. If height reduction is required, the legs can be removed and the 111B mounted directly on the floor giving an overall height of just 1850mm.

Features

- British Telecom Approved
- Single Vertical
- Modular Growth
- Light Weight
- Easily Transportable
- Wall Mounting or Free Standing
- 690 Pair Capacity

Description	Dimensions (WxHxD)mm	Part Number
69 Way Distribution Frame	280 x 1850 x 150 (H=2101mm with legs)	111B

Excel Distribution Frame – 108a/City 80

Supplied as a dual distribution frame as standard the 108a frame has the capacity for up to 1380 pairs when using 10 pair termination strips. The City 80 is an extended version and offers up to 1600 pair capacity. The flexible design allows for mounting frames on the floor with or without the supplied legs – on the wall, or back to back.

Features

- Dual Vertical
- Light Weight
- Wall Mounting or Free Standing
- Up to 1600 Pair Capacity

Description	Dimensions (WxHxD)mm	Part Number
Excel 108a Dual Distribution Frame (1380 Pairs)	560 x 2004 x 150	550-278
Excel City 80 Distribution Frame (1600 pairs)	570 x 2250 x 150	550-276

Excel Terminal Strips

Terminal Strips are used to join Multipair Telecom and Data Cables. They can be mounted in either 19" Sub Racks, in various sized Box Connections or Frames. Designation Strips are used to identify individual connections or strips.

Description	Part Number
10 Pair Terminal Disconnection Strip, 237A style	550-240

Excel Voice Panel – RJ45 Presentation

The Excel voice panel is a 1U panel which provides a cost effective method of terminating and presenting multipair voice cables. Each panel has 25 or 50 RJ45 ports per 1U and an integral rear cable management tray. Each port is numbered and each can be wired with up to 3 pairs.

Features

- Cost effective
- Integral rear cable management
- High density design
- Cage nut sets included
- Upto 3 pairs per RJ45 socket
- Lifetime product warranty
- 25 year system warranty available

Description	Part Number
1U 3 pair 60 Port RJ45 voice panel, Black	100-463
1U 3 pair 50 Port RJ45 voice panel, Black	100-464
1U 3 pair 25 Port RJ45 voice panel, Black	100-465

Part No.	Page No.
100-010	28, 56
100-010-BK	28, 56
100-011	28, 40
100-011-BK	28, 40
100-013	36
100-014	60
100-018	60
100-018-BK	60
100-023	29, 30, 42, 44
100-024	29, 30, 42, 44
100-025	26, 27, 28, 40, 41, 43, 56, 57, 59
100-026	26, 27, 28, 40, 43, 56, 57, 59
100-027	26, 27, 28, 40, 41, 43, 56, 57, 59
100-028	26, 28, 40, 41, 43, 56, 57, 59
100-031	64
100-057	46
100-060	46
100-061	46
100-062	46
100-063	46
100-064	46
100-065	45
100-066	46
100-070	31
100-071	31
100-074	31
100-075	31
100-076	32
100-076	32
100-076/LTGN-500	32
100-077/LTGN	32
100-090	46
100-100	31
100-103	31
100-148	25
100-150	22
100-152	25
100-153	25
100-154	25
100-156	26, 28
100-157	25
100-158	25
100-160	25
100-162	25
100-163	25
100-165	25
100-167	25
100-168	25
100-170	25
100-171	25
100-172	25
100-174	25
100-175	60
100-175-BK	60
100-180	27, 28, 72
100-181	27
100-185	29, 30
100-190	20
100-192	21
100-195	23
100-203	28, 57
100-204	28, 57
100-210	28, 43, 71
100-211	28, 41, 70
100-212	28, 4, 70,
100-213	30, 42
100-214	30, 44
100-216	49
100-217	49
100-270	61
100-270 -GE	61
100-271	61
100-271 -GE	61
100-275	55, 61
100-275 -GE	61
100-276	38, 61
100-276 -GE	61
100-280	61
100-280-GE	61
100-297	38
100-298	37
100-300	37
100-301	39
100-301-BK	39
100-302	35
100-304	35
100-306	35
100-309	50
100-310-PK10	33
100-311-PK10	33
100-312-PK10	33
100-314-PK10	33
100-315-PK10	33
100-316-PK10	33
100-317-PK10	33
100-318	33
100-319-PK10	33
100-320-PK10	33
100-321-PK10	33
100-322-PK10	33
100-323	33
100-324-PK10	33
100-325-PK10	33
100-326-PK10	33
100-327-PK10	33
100-329-PK10	33
100-330-PK10	33
100-331-PK10	33
100-332-PK10	33
100-333-PK10	33
100-334	33
100-335	33
100-336	33
100-337	33
100-338	33
100-339	33
100-340	33
100-341	33
100-342	33
100-343	33
100-344	33
100-345	33
100-346	33
100-347	33
100-348	33
100-349	33
100-350-PK10	33
100-351	33
100-352	33
100-355	33
100-356	33
100-357-PK10	33
100-358-PK10	33
100-360-PK10	33
100-364-PK10	33
100-366	37
100-366-BK	37
100-369	34
100-370	34
100-371-PK10	33
100-372	36
100-373-PK10	33
100-394	35
100-395-PK10	33
100-405	54
100-407	39, 54
100-409	39, 54
100-411	54
100-415-PK10	33
100-416-PK10	33
100-417-PK10	33
100-430	39
100-432	39
100-435	34
100-436	34
100-437	34
100-438	34
100-439	34
100-440	34
100-441	34
100-442	34
100-443	34
100-444	34
100-445	34
100-446	34
100-447	34
100-448	34
100-449	34
100-460	51
100-463	146
100-464	146
100-465	146
100-470	51
100-490	52
100-497	51
100-500	24
100-501	24
100-502	24
100-503	24
100-509	24
100-510	24
100-511	24

Part No.	Page No.
100-519	24
100-520	24
100-521	24
100-522	24
100-529	24
100-530	24
100-531	24
100-532	24
100-539	24
100-540	24
100-541	24
100-542	24
100-582	64
100-586	64
100-594	64
100-598	64
100-602	64
100-612	62
100-614	62
100-616	62
100-618	62
100-619	62
100-620	62
100-670	59
100-671	59
100-672	59
100-700	53
100-702	53
100-704	53
100-706	58
100-712	60
100-714	60
100-715	60
100-716	60
100-718	60
100-719	60
100-720	50
100-722	50
100-726	50
100-728	50
100-736	52
100-757	55
100-758	56
100-759	56
100-760	54
100-763	54
100-781	58
100-783	58
100-785	58
100-787	58
100-789	58
100-906	28, 59
111B	144
200-001	81
200-002	81
200-003	81
200-004	81
200-005	81
200-006	81
200-007	81
200-008	81
200-013	81
200-014	81
200-015	81
200-016	81
200-043	81
200-044	81
200-046	81
200-047	74
200-048	81
200-049	74
200-054	81
200-055	81
200-056	81
200-057	81
200-060	74
200-062	81
200-063	81
200-064	81
200-065	74
200-067	74
200-069	74
200-070	81
200-081	74
200-084	74
200-087	74
200-089	74
200-090	74
200-092	74
200-110	74
200-115	74
200-116	74
200-117	74
200-118	74
200-130	74
200-135	74
200-140	74
200-141	74
200-142	74
200-145	74
200-146	74
200-147	74
200-149	74
200-150	74
200-151	74
200-152	74
200-153	74
200-154	74
200-155	74
200-156	74
200-157	74
200-158	74
200-159	74
200-168	80
200-169	80
200-170	80
200-171	80
200-172	80
200-173	80
200-174	80
200-175	80
200-176	80
200-177	80
200-178	80
200-179	80
200-181	79
200-182	79
200-183	79
200-184	79
200-185	79
200-186	79
200-187	79
200-188	79
200-189	79
200-190	79
200-191	79
200-192	79
200-200	80
200-202	80
200-204	80
200-206	80
200-216	80
200-218	80
200-220	80
200-222	80
200-224	80
200-226	80
200-228	80
200-229	80
200-251	82
200-252	82
200-253	82
200-254	82
200-255	82
200-256	82
200-257	82
200-259	82
200-261	82
200-262	82
200-263	82
200-264	82
200-290	79
200-300	79
200-301	83
200-302	83
200-310	79
200-319	83
200-320	79
200-330	83
200-349	83
200-350	84
200-350-SM	84
200-351	83
200-352	83
200-353	83
200-353-100	83
200-358	83
200-361	83
200-363	84
200-364	84
200-365	84
200-366	84
200-367	83
200-377	85
200-378	85
200-379	85

Part No.	Page No.
200-382	85
200-384	85
200-389	84
200-390	84
200-399	106
200-401	85
200-405	85
200-406	85
200-407	85
200-408	85
200-427	85
200-428	85
200-429	85
200-430	85
200-431	85
200-460	85
200-462	85
200-464	85
200-466	85
200-470	85
200-472	85
200-474	85
200-476	85
200-480	85
200-481	85
200-482	85
200-483	85
200-500	79
200-501	82
200-502	82
200-503	82
200-504	82
200-510	79
200-511	82
200-512	82
200-513	82
200-517	82
200-520	79
200-530	79
200-534	82
200-535	82
200-536	82
200-537	82
200-552	83
200-553	83
200-554	83
200-555	83
200-556	83
200-557	83
200-558	83
200-559	83
200-560	83
200-561	83
200-562	83
200-563	83
200-566	84
200-567	84
200-568	84
200-569	84
200-570	84
200-571	84
200-600	79
200-610	79
200-620	79
200-630	79
200-678	82
200-680	82
200-682	82
200-684	82
200-686	82
200-688	82
200-690	82
200-692	82
200-694	82
200-696	82
200-698	82
200-699	82
200-735	84
201-001	82
201-002	82
201-003	82
201-005	82
201-021	82
201-022	82
201-023	82
201-025	82
201-041	82
201-042	82
201-043	82
201-045	82
202-024	89
202-025	89
202-026	89
202-027	89
202-028	89
202-029	89
202-030	89
202-031	89
202-033	90
202-034	90
202-035	90
202-036	90
202-037	90
202-038	90
202-050	76
202-051	76
202-052	76
202-054	76
202-055	76
202-056	76
202-057	76
202-058	76
202-059	76
202-060	76
202-107	89
202-108	89
202-109	89
202-110	89
204-004	74
204-006	74
204-008	74
204-012	74
204-016	74
204-024	74
204-104	74
204-106	74
204-108	74
204-112	74
204-116	74
204-124	74
204-204	75
204-208	75
204-212	75
204-216	75
204-224	75
204-301	81
204-302	81
204-303	81
204-304	81
204-305	81
204-306	81
204-307	81
204-308	81
204-309	81
204-310	81
204-311	81
204-320	83
204-321	83
205-116	74
205-230	74
205-270	75
205-271	75
205-272	75
205-273	75
205-274	75
205-275	75
205-276	75
205-277	75
205-278	75
205-279	75
205-280	75
205-281	75
205-282	75
205-283	75
205-284	75
205-300	74
205-301	74
205-302	74
205-303	74
205-304	74
205-305	75
205-306	75
205-307	75
205-308	75
205-309	75
205-310	74
205-320	74
205-322	74
205-324	74
205-326	74
205-328	74
205-340	75
205-342	75
205-344	75
205-346	75
205-348	75

Part No.	Page No.
205-352	75
205-354	75
205-356	75
205-360	75
205-362	75
205-364	75
205-366	75
205-368	75
205-370	75
205-372	75
208-001	86
208-003	86
208-005	87
208-006	87
208-007	87
208-008	87
208-009	87
208-010	87
350-635	63
350-636	63
350-637	63
350-638	63
35-480	61
540-095	131
540-097	131
540-100-BK	129
540-195	117
540-197	117
540-200	117
540-205	117
540-206	117
540-210	117
540-215	117
540-220	117
540-225	117
540-230	117
540-235	117
540-241	130
540-242	130
540-242-BK	130
540-243	130
540-243-BK	130
540-244	130
540-244-BK	130
540-246	130
540-246-BK	130
540-247	119
540-248	130
540-248-BK	130
540-249	119
540-250	119
540-255	119
540-256	119
540-270	119
540-275	119
540-280	119
540-281	119
540-282	119
540-283	117
540-284	117
540-290	119
540-302	128

Part No.	Page No.
540-302-BK	128
540-302-BK-SCHUKO	128
540-304	128
540-304-BK	128
540-304-BK-SCHUKO	128
540-446	130
540-448	131
540-449-BK	131
540-488-BK	131
540-500	130
540-501-BK	123
540-502-BK	123
540-503-BK	123
540-504-BK	123
540-506-BK	121
540-507-BK	121
540-508-BK	121
540-509-BK	121
540-510-BK	121
540-511-BK	121
540-512	117
540-515	117
540-518	117
540-521	126
540-521-BK	126
540-522	126
540-522-BK	126
540-524	126
540-524-BK	126
540-525	127
540-525-BK	127
540-526	127
540-526-BK	127
540-531	126
540-531-BK	126
540-535	126
540-535-BK	126
540-536	126
540-536-BK	126
541-101-BK	129
541-102-BK	129
541-103-BK	129
541-104-BK	129
541-105-BK	129
5500512	92
5500513	92
5500514	92
5500531	93
5500533	93
5500534	93
550-240	145
550-241	145
550-260	142
550-261	142
550-262	142
550-263	142
550-264	143
550-265	143
550-270	144
550-272	144
550-274	144
550-276	145

Part No.	Page No.
550-278	145
550-400	143
555-051	136
555-052	136
555-053	136
555-055	136
555-063	136
555-064	136
555-065	136
555-070	135
555-081	135
555-083	135
555-084	135
555-201	138
555-202	138
555-203	138
555-205	138
555-206	138
555-207	138
555-210	137
555-211	137
555-212	137
555-213	137
555-215	137
555-216	137
555-217	137
555-220	137, 138
555-221	137, 138
555-222	137, 138
555-223	137, 138
555-224	137, 138
750-100	63
750-101	63
BB0.5MPLBK-PK10	47
BB0.5MPLBU-PK10	47
BB0.5MPLGE-PK10	47
BB0.5MPLGN-PK10	47
BB0.5MPLOR-PK10	48
BB0.5MPLRD-PK10	47
BB0.5MPLVT-PK10	48
BB0.5MPLWT-PK10	48
BB0.5MPLYW-PK10	48
BB0.75MPLBK-PK10	47
BB0.75MPLBU-PK10	47
BB0.75MPLGE-PK10	47
BB0.75MPLGN-PK10	47
BB0.75MPLOR-PK10	48
BB0.75MPLRD-PK10	47
BB0.75MPLVT-PK10	48
BB0.75MPLYW-PK10	48
BB001MPLBK-PK10	47
BB001MPLBU-PK10	47
BB001MPLGE-PK10	47
BB001MPLGN-PK10	47
BB001MPLOR-PK10	48
BB001MPLPK-PK10	48
BB001MPLRD-PK10	47
BB001MPLVT-PK10	48
BB001MPLWT-PK10	48
BB001MPLYW-PK10	48
BB002MPLBK-PK10	47
BB002MPLBU-PK10	47

Part No.	Page No.
BB002MPLGE-PK10	47
BB002MPLGN-PK10	47
BB002MPLOR-PK10	48
BB002MPLPK-PK10	48
BB002MPLRD-PK10	47
BB002MPLVT-PK10	48
BB002MPLWT-PK10	48
BB002MPLYW-PK10	48
BB003MPLBK-PK10	47
BB003MPLBU-PK10	47
BB003MPLGE-PK10	47
BB003MPLGN-PK10	47
BB003MPLOR-PK10	48
BB003MPLPK-PK10	48
BB003MPLRD-PK10	47
BB003MPLVT-PK10	48
BB003MPLWT-PK10	48
BB003MPLYW-PK10	48
BB004MPLBK-PK10	47
BB004MPLBU-PK10	47
BB004MPLGE-PK10	47
BB004MPLGN-PK10	47
BB004MPLOR-PK10	48
BB004MPLRD-PK10	47
BB004MPLVT-PK10	48
BB004MPLYW-PK10	48
BB005MPLBK-PK10	47
BB005MPLBU-PK10	47
BB005MPLGE-PK10	47
BB005MPLGN-PK10	47
BB005MPLOR-PK10	48
BB005MPLPK-PK10	48
BB005MPLRD-PK10	47
BB005MPLVT-PK10	48
BB005MPLWT-PK10	48
BB005MPLYW-PK10	48
BB006MPLBU	47
BB006MPLGE	47
BB006MPLGN	47
BB006MPLRD	47
BB006MPLVT	48
BB006MPLWT	48
BB006MPLYW	48
BB007MPLBK	47
BB007MPLBU	47
BB007MPLGE	47
BB007MPLGN	47
BB007MPLRD	47
BB007MPLVT	48
BB007MPLYW	48
BB008MPLBU	47
BB008MPLGE	47
BB008MPLGN	47
BB008MPLOR	48
BB008MPLRD	47
BB008MPLYW	48
BB010MPLBK	47
BB010MPLBU	47
BB010MPLGE	47
BB010MPLGN	47
BB010MPLOR	48
BB010MPLRD	47
BB010MPLVT	48
BB010MPLWT	48
BB010MPLYW	48
BB015MPLBK-PK10	47
BB015MPLBU-PK10	47
BB015MPLGE-PK10	47
BB015MPLGN-PK10	47
BB015MPLOR-PK10	48
BB015MPLRD-PK10	47
BB015MPLVT-PK10	48
BB015MPLWT-PK10	48
BB015MPLYW-PK10	48
BB150MPLBK	47
BB150MPLBU	47
BB150MPLGE	47
BB150MPLGN	47
BB150MPLRD	47
BB150MPLVT	48
BB150MPLWT	48
BB150MPLYW	48
BB200MPLBU	47
BB200MPLGE	47
BB200MPLGN	47
BB200MPLRD	47
BB200MPLYW	48
BB250MPLGE	47
BB250MPLWT	48
BB300MPLGE	47
BB300MPLWT	48
BBS0.5MPLGE-PK10	49
BBS001MPLBU-PK10	49
BBS001MPLGE-PK10	49
BBS001MPLGN-PK10	49
BBS001MPLRD-PK10	49
BBS002MPLGE-PK10	49
BBS003MPLBU-PK10	49
BBS003MPLGE-PK10	49
BBS003MPLGN-PK10	49
BBS003MPLRD-PK10	49
BBS003MPLYW-PK10	49
BBS010MPLGE	49
D13-10-EXL	132
D13-10F-EXL	133
D13-12-EXL	132
D13-12F-EXL	133
D13-4H-EXL	132
D13-5H-EXL	132
D13-6-EXL	132
D13-6H-EXL	132
D13-6HF-EXL	133
D13-8-EXL	132
D13-8F-EXL	133
D16-10-EXL	134
D16-12-EXL	134
D16-6H-EXL	134
D16-8-EXL	134
D32-10-EXL	134
D32-12-EXL	134
D32-8-EXL	134
EPFU_OM3_12F_2000	92
EPFU_OM3_4F_2000	92
EPFU_OM3_8F_2000	92
EPFU_SM12F_2000	92
EPFU_SM4F_2000	92
EPFU_SM8F_2000	92
HB001MPLBE	48
HB001MPLBU	48
HB001MPLGE	48
HB001MPLGN	48
HB001MPLRD	48
HB001MPLVT	48
HB001MPLYW	48
HB002MPLBE	48
HB002MPLBU	48
HB002MPLGE	48
HB002MPLGN	48
HB002MPLRD	48
HB002MPLVT	48
HB002MPLYW	48
HB003MPLBE	48
HB003MPLBU	48
HB003MPLGE	48
HB003MPLGN	48
HB003MPLRD	48
HB003MPLVT	48
HB003MPLYW	48
HB005MPLBE	48
HB005MPLBU	48
HB005MPLGE	48
HB005MPLGN	48
HB005MPLRD	48
HB005MPLVT	48
HB005MPLYW	48
HB010MPLBE	48
HB010MPLBU	48
HB010MPLGE	48
HB010MPLGN	48
HB010MPLRD	48
HB010MPLVT	48
HB010MPLYW	48
HB200MPLBE	48
HB200MPLBU	48
HB200MPLGE	48
HB200MPLGN	48
HB200MPLRD	48
HB200MPLVT	48
HB200MPLYW	48
M6CNU	107
MS19	127
MS19B	127
MS35	127
MS40	127
MS40B	127
R3260080	41, 57, 67, 70
R3260081	27, 43, 59, 67, 71, 72
R3269200	69
R3269300	69
R3269500	69
R3270200	69
R3270300	69
R3270500	69
R3282100	68
R3282200	68
R3282300	68

Part No.	Page No.
R3282500	68
R3283100	68
R3283200	68
R3283300	68
R3283500	68
R3814015	67
R3814025	67
R3814040	67
R3814060	67
R3814120	67
R3820112	66
R3820123	66
R3820153	66
R3820154	66
TC010PE	140
TC010PE-INEX	141
TC020PE	140
TC020PE-INEX	141
TC025PE	140
TC025PE-INEX	141
TC040PE	140
TC050PE	140
TC050PE-INEX	141
TC100PE	140
TC100PE-INEX	141
TC160PE	140
TC200PE	140
TC200PE-INEX	141
TC320PE-INEX	141
TCJF5005PB	141
TCJF5010PB	141
TCJF5020PB	141
TCJF5050PB	141
TCJF5100PB	141
TCJF5200PB	141
TCJF9005PB	141
TCJF9010PB	141
TCJFA5005PB	142
TCJFA5010PB	142
WB12.390SG	125
WB12.390SG-BK	125
WB12.5SG	125
WB12.5SGB	125
WB12.6SG	125
WB12.6SGB	125
WB15.390SG	125
WB15.390SG-BK	125
WB15.5SG	125
WB15.5SGB	125
WB15.6SG	125
WB15.6SGB	125
WB18.390SG	125
WB18.390SG-BK	125
WB18.5SG	125
WB18.5SGB	125
WB18.6SG	125
WB18.6SGB	125
WB21.5SG	125
WB21.5SGB	125
WB21.6SG	125
WB21.6SGB	125
WB6.390SG	125
WB6.390SG-BK	125
WB6.5SG	125
WB6.5SGB	125
WB6.6SG	125
WB6.6SGB	125
WB9.390SG	125
WB9.390SG-BK	125
WB9.5SG	125
WB9.5SGB	125
WB9.6SG	125
WB9.6SGB	125
WBFP12.390SG	125
WBFP12.390SGB	125
WBFP12.5SG	125
WBFP12.5SGB	125
WBFP12.6SG	125
WBFP12.6SGB	125
WBFP15.390SG	125
WBFP15.390SG	125
WBFP15.390SGB	125
WBFP15.5SG	125
WBFP15.5SGB	125
WBFP15.6SG	125
WBFP15.6SGB	125
WBFP18.390SGB	125
WBFP18.5SG	125
WBFP18.5SGB	125
WBFP18.6SG	125
WBFP18.6SGB	125
WBFP21.5SG	125
WBFP21.5SGB	125
WBFP21.6SG	125
WBFP21.6SGB	125
WBFP6.390SG	125
WBFP6.390SGB	125
WBFP6.5SG	125
WBFP6.5SGB	125
WBFP6.6SG	125
WBFP6.6SGB	125
WBFP9.390SG	125
WBFP9.390SGB	125
WBFP9.5SG	125
WBFP9.5SGB	125
WBFP9.6SG	125
WBFP9.6SGB	125
XBFSC00001	110
XBFSC00025	103
XBFSC00026	103
XBFSC00041	110
XBFSC00045	112
XBFSC00075	96, 109
XBFSC00076	96
XBFSC00076	109
XBFSC00077	101, 109
XBFSC00078	110
XBFSC00092	98
XBFSC00134	102
XBFSC00150	100
XBFSC00151	99
XBFSC00216	95
XBFSC00217	95
XBFSC00218	95
XBFSC00219	95
XBFSC00220	95
XBFSC00221	95
XBFSC00250	96
XBFSC00260	96
XBFSC00277	96
XBFSC00295	108
XBFSC00322	95
XBFSC00324	95
XBFSC00325	95
XBFSC00326	95
XBFSC00327	95
XBFSC00329	95
XBFSC00331	95
XBFSC00370	97
XBFSC00371	97
XBFSC00372	97
XCPSC00298	111
XCPSC00299	111
XCPSC00300	111
XCPSC00363	101
XCPSC00670	98
XCPSC00671	99
XEXSC00914	104
XEXSC01129	106
XEXSCO1364	105
XEXSCO1365	105
XEXSCO1366	105
XEXSCO1367	105
XEXSCO1368	105
XEXSCO1369	105
XKTSC00094	99
XKTSC00165	106
XKTSC00171	107
XKTSC00172	107
XKTSC00257	103, 107
XKTSC00272	96
XKTSC00278	95
XPESC00054	98

www.excel-networking.com

On-Line Catalogue

Visit **www.excel-networking.com** to find out all of the latest news and information on Excel and the full product catalogue.

With the on-line catalogue you can quickly find all of the relevant product information that you need. As and when we introduce new Excel products to the range they will be added to the on-line catalogue - so make sure you keep a check on site for the latest details.

Click on the 'Downloads' button and you can download all of the latest Excel specification sheets, third party verification certificates, Excel brochures, catalogues and much more.

Add **www.excel-networking.com** to your favourites list.

excel
without compromise.

European Headquarters
Excel House
Junction Six Industrial Park
Electric Avenue
Birmingham B6 7JJ
England

T: +44 (0)121 326 7557
F: +44 (0)121 327 1537
E: sales@excel-networking.com

Middle East & Africa Headquarters
PO Box 293695
Office 832, Building 6WB
Dubai Airport Free Zone
Dubai
UAE

T: +971 4 7017987
F: +971 4 7017989
E: salesme@excel-networking.com

Asia Pacific Headquarters
29th Floor
Wing On Centre
111 Connaught Road Central
Hong Kong

T: +852 3065 7006
F: +852 3065 7004
E: salesfe@excel-networking.com

Certificate No. FS 547274

Certificate No. EMS 542863

The Excel Product Guide is printed on FSC certified paper which includes recycled fibres

www.excel-networking.com

MF955_07/11