

DATA CENTRES

POWERED BY EXCEL



excel
without compromise.



MAXIMISE
EFFICIENCY



BOOST
PERFORMANCE



INCREASE
R.O.I.

WITHOUT COMPROMISE

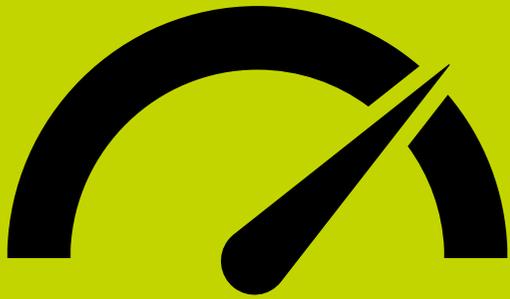
Excel is a world-class premium performance end-to-end infrastructure solution. Designed, manufactured, supported and delivered – without compromise.

Excel is driven by a team of industry experts, ensuring the latest innovation and manufacturing capabilities are implemented to surpass industry standards for quality and performance, technical compliance and ease of installation and use.

With an emphasis on compatibility and standards compliance 'from cable to rack', reliability and product availability, Excel is the complete trusted solution. Since the brand was launched to the UK market in 1997, Excel has enjoyed formidable growth and is sold in over 70 countries throughout EMEA. Excel has offices in Birmingham, Motherwell, St Neots and City of London in the UK and in Dubai in the United Arab Emirates.

The meteoric rise of the brand reflects a growing demand throughout EMEA for a reliable, standards-compliant, readily available, structured cabling and racking system. Excel is able to deliver this mix through a growing base of distributors and integrators across the region, which combine to make the brand an increasingly viable option.

With a focus on, system performance, independent verification and a 25 year product and application warranty, when installed by an Excel Partner, Excel is a proven solution for the Data Centre market.



**0.35dB LOSS AS
STANDARD IN OUR
MTP CONNECTORS**

POWERED BY EXCEL

With over 300,000 fibre terminations deployed in data centre environments in 2017-2018, **Excel** is a proven performance driven solution.

Excel understands the requirements of a data centre; our growing number of DC clients have chosen Excel products and systems to run their operations. With Excel at the core of their infrastructure and pre and post sales support from our team of experts, these clients are confident in system design, performance and reliability.

The Excel solution is extensive and provides options to suit a wide range of technical or budget requirements, these solutions are deployed by our accredited, trained and experienced integration partners.

Our pre-sales support is second to none and includes a proof of concept, product samples, bespoke product design, on-site training and audit services.

Independent Verification
25 Year Warranty
Pre and Post Installation
Excel Project Team
Excel Toolbox Training
Excel Audit Service

For more information on our services, please visit www.excel-networking.com.



**INCREASED
IN PORT
DENSITY**

HIGH DENSITY DESIGN

The **Excel** copper and Enbeam fibre solutions are tried and tested and come with third party independent verification across all key solutions.

Excel's copper and fibre solutions are covered by a comprehensive 25 year warranty when installed by an accredited Excel Partner.

There's an extensive range to choose from with many solutions providing high density space saving designs perfect for the Data Centre environment.

The Enbeam fibre 1U 12-cassette HD panel provides an expandable and innovative cassette-based patching solution. The panel offers a capacity of 12 cassettes, each containing 12 fibres with either LC or MTP presentation. A variety of cassettes are offered as part of this solution, offering:

- up to 144 fibres per 1U (LC-MTP)
- up to 144 fibres per 1U (LC)
- up to 576 fibres per 1U (12-way MTP)

The Excel 48 port copper keystone 1U patch panel frame delivers a high density solution with two rows of 24 keystone jacks positioned back-to-back. This design gives the highest possible density whilst allowing easy access for patching and un-patching.



**TRANSPORT
DATA UP TO
4 TIMES FASTER**

PERFORMANCE + SPEED

The **Excel** Category 8 copper cabling solution allows Data Centres to transport data up to four times faster , improving efficiency of the overall solution

Excel products are supported and covered by the 25 year warranty when installed by an accredited partner.

Excel's Category 8 cable is designed and manufactured to meet and exceed the ISO, CENELEC and TIA standards, and is targeted for Data Centre switch-to-switch and switch-to-server interconnections, primarily in top-of-rack or end-of-row topologies. Category 8 copper cable allows Data Centres to transport data up to four times faster than its predecessors, helping to create an efficient and cost-effective environment. Category 8 copper cable offers maximum data rates of 25 GBase-T and 40 GBase-T across distances of up to 30 metres, making it an ideal solution in a Data Centre environment.

Excel's OM5 Enbeam fibre cabling has arrived to the market to meet growing bandwidth requirements. With the cloud computing and web services continuing to drive bandwidth need, data rates grow from 10G, 40G to 100G and beyond in many Data Centre networks. What's more, OM5 cabling can stretch over distances of up to 150m, offering a more versatile alternative for Data Centre optimisation.

With Data Centre environments increasing in size, intra-DC distances are also increasing. What's more, as data rates grow beyond 100 Gbps, multimode installations will require upgrading. The emerging technologies of Excel's Singlemode Fibre solution (OS2) allow Data Centres to futureproof their installations in response to this increase in distance and speed requirement.



**RACK SYSTEMS
WITH UP TO 1300KG
LOAD CAPACITY**

STRONG + SECURE

The Environ range of racks and frames from **Excel** is covered by the 25 year warranty when installed as part of a total Excel solution by an accredited partner.

Environ from Excel has been designed to provide strength, security, cable and air flow management and ease of installation. Our service is fast and flexible thanks to large stock holding across EMEA and UK assembly facilities.

The Environ range offers ultimate flexibility, to ensure the MDA, SAN and Server Rack areas within the DC facility can be accommodated. Racks can be configured to accommodate the requirements needed. Racks can have glass, mesh, split wardrobe or solid steel doors to ensure optimum air flow control where and when needed.

The Environ Server Rack – SR Series – is designed to safely and easily accommodate the most demanding of server and equipment technology. Available in either Grey White or Black and up to 47U and 1200mm deep with 1300kg load capacity.

The Environ Equipment – ER – and Communications – CR – series racks provide a wide range of heights, footprints and accessories and come with a choice of doors. Locking options are available including key combination, swipe card and biometric. Environ racks can be bayed together in a row or aisle format with the sides still attached helping to create secure co-location DC environments.

The Environ Co-Location multi-compartment Rack - CL Series - is designed for co-location installations and applications that require enhanced levels of access security. The racks are designed to ensure complete segregation of cabling and equipment between the different compartments, making them an ideal solution for a shared facility environment, such as a Data Centre.

The Environ Open Rack – OR series is a 2 post open frame with a compact footprint providing easy access and high density lockable vertical cable management. The Environ OR range is designed for mounting patch panels and networking equipment in secure environments or in locations where space is limited.

Our solutions also include all types of containment including hot, cold and return plenum variants to complement the Environ Racks.



**MEASURE AND
MANAGE POWER
TO SOCKET LEVEL**

MEASURE MONITOR + MANAGE

The need to measure, monitor and manage environmental conditions to ensure the efficient operation of your DC facility remain a key challenge. **Excel** offers flexible, scalable solutions.

Our range of power and environmental management solutions offer a wide range of options from units with overall monitoring features and products with individual socket monitoring and switching. The Excel Intelligent PDU range provides total flexibility to allow you to build a solution that fits your individual requirement.

The Intelligent PDUs offered by Excel come with free software capable of managing 1600 PDUs. The design allows for up to 50 IP addresses to be managed, and with no limit to the link distance between the PDUs, the aisle configuration and deployment can be very simple.

The units come with an environmental and Ethernet port as standard, allowing a migration towards 'monitoring' the environment.

The 6 temperature readings stated within the ASHREA guidelines can be achieved, as each PDU will accommodate 8 temperature sensors. A range of temperature, humidity, and contact sensors complement the power options available.

The Excel Modular PDUs provide you with unrivalled flexibility as you can mix the socket style within the PDU and swap this out as and when your requirements change.



**INSTALLATION TIME
REDUCED BY
UP TO 75%**

SPECIALIST SUPPORT

Excel offers a comprehensive range of Specialist Support Services, covering copper and fibre pre-terminated solutions, on-site rack assembly and pre-configuration of racks and open frames, as well as a bespoke laser engraved labelling service.

Reduce Installation cost and time.

- Get the most out of cable length
- Minimise time spent on site cutting cables
- Have pre-configured racks delivered to site made to specification, ready to be installed into place

Fully tested. Fully traceable. 100% Inspected.

Excel's Specialist Support Services are carried out by knowledgeable technical staff who go through a rigorous quality check before delivery.

Maximise cable usage - minimise waste.

Our technical team are experienced in terminating copper and fibre components and building racks to specification. They make the most of every inch of cable, and package racks effectively to minimise wastage. This not only reduces overall cost but also makes the solutions an environmentally friendly option.

Fast turnaround.

With a full team of technical specialists, we are able to accept your order and deliver the solution quickly, preventing and delay to your project.

Covered by the Excel 25-year warranty.

When installed by an accredited Excel partner, our Specialist Support Services are covered by the 25-year warranty as part of our complete, trusted solution.

The Excel solution provides cable to rack systems to suit Data Centre, Hosting and Co-Location requirements of all types and sizes.

We work in partnership with a wide range of carefully selected technology partners to offer best-in-class complementary surveillance, security and switching solutions.

To find out how Excel can help get the best out of your Data Centre and budget then please get in touch.

CONTACT US

 0121 326 2471

 enquiries@excel-networking.com

“Excel and its technology partners offer an extensive range of specifically engineered future proof solutions to maximise the performance and efficiency of your DC”

EXCEL IN DATA CENTRES

The Excel solution is perfectly suited to provide the infrastructure building blocks for any data centre requirement. Our systems are completely scalable and when installed by an accredited Excel partner, come with a comprehensive 25 year warranty.



COPPER CABLING

- Category 7A
- Category 6A
- Category 6
- Category 5e
- Category 8



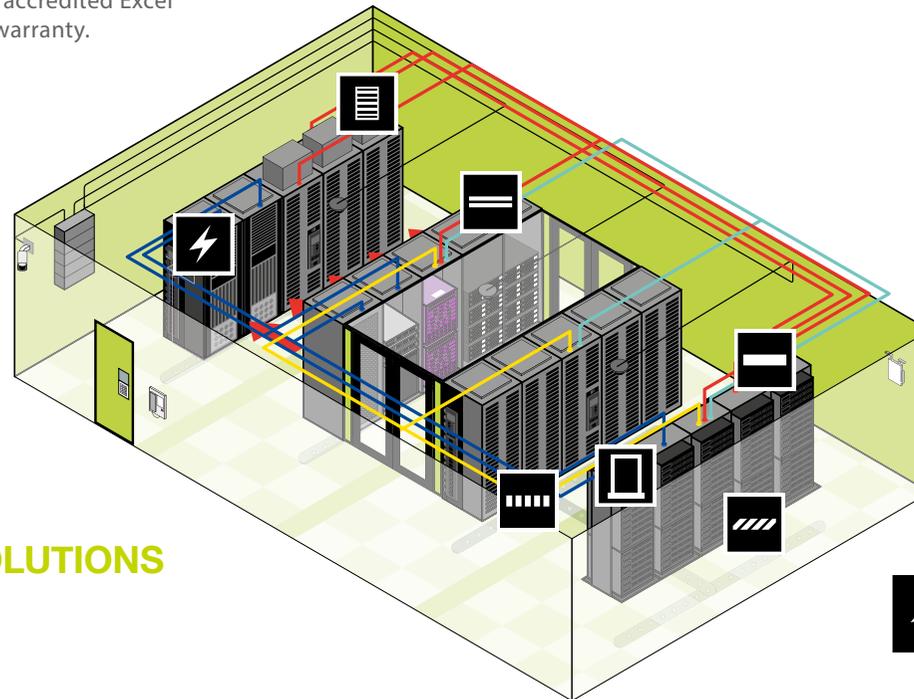
ENBEAM FIBRE

- OM3, OM4, OS2, OM5 and OS1
- ST, SC, LC, FC, SC/APC connectivity



PRE-TERMINATED SOLUTIONS

- Copper and Enbeam fibre systems



MTP

- Pre-terminated high density designs
- OM3, OM4, OS2, OM5 and OS1



ENVIRON RACKS

- CR Series
- ER Series
- SR Series
- CL Series



ENVIRON OPEN FRAMES

- OR Series



POWER DISTRIBUTION UNITS

- Standard
- Modular
- Intelligent



**DATA CENTRES
POWERED
BY EXCEL**

Excel has been installed in thousands of different sites across the world.

Listed below are just some of the Data Centre projects where **Excel** has been installed.

Project	Country	Copper Cabling Installed	Fibre Cabling Installed	Environ Racks Installed
Costain Data Centre	UK	Category 6A F/UTP	OM4	Environ ER 42U Racks
Department of Economic Development	UAE	Category 6A F/FTP	OM4, OS2	-
Horus Data Centre	France	Category 6A F/UTP	OM4	-
London Data Centre	UK	Category 6A	OM4	-
Schroders HQ	UK	Category 6A U/FTP	OM4, OS2	-
Ark	UK	Category 6A U/UTP, Category 6A F/UTP	OM4	-
Bristol Data Centre	UK	Category 6A U/UTP MTP	OM4	-
SLC - Bothwell Street	UK	Category 6A Pre-Terminated	OM4	-
Sonepar Data Centre	France	MTP	OM4	-
Virgin Media	UK	Category 6	OM3, OS2	-

To view the full list of Excel installations, please visit our website: www.excel-networking.com/reference-sites

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