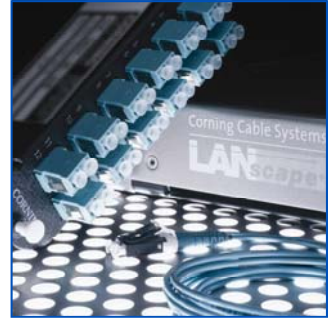


LANscape® Solutions

for Data Centre Applications



CORNING

WHY A DATA CENTRE ?

Today, data and continual data flow are key aspects of the success of any business, and IT managers need to plan their infrastructures extremely carefully. The more business relationships a company has, the larger the amount of data that needs to be processed, managed and made available to employees on the company network and intranet. For companies that choose to design / expand a data center the highest quality of service and products is critical to overall success.

WHY STRUCTURED CABLING ?

For future-proof data centre construction, you need to start with a design which is structured in zones in a star topology. Corning data centre solutions support this standard-acceptable design, meaning your data center will be flexible, scalable, reliable and redundant, allowing you to work with current (between 1 and 10 Gb) and future data rates. You need a solution that supports all of the functions that you need, such as co-location, hosting und Storage Area Networks (SANs).



WHY CORNING ?

- ⇒ Corning is one of the world leaders in the development, production and supply of fiber optic cable solutions
- ⇒ Corning sets the standard for data center cable infrastructure systems
- ⇒ Corning invented the world's first low-loss optical fiber
- ⇒ The industry's only world wide patented polarity-maintaining modular components with "Universal Wiring"

WILL I SAVE TIME & MONEY ?

Plug & Play™ Universal Systems for data centres are pre-terminated optical fiber cabling systems designed to dramatically streamline the process of deploying an optical networking infrastructure in data center applications. The modular structure decrease your installation time up to 75% - components can be adjusted, added or replaced quickly, easily and efficiently. With the high packing densities you can save up to 60% of your space in sub floor systems, which has the useful side-effect to decrease the energy costs for cooling systems, improving your ROI.

The MTP® Connector is the basis of the Plug & Play System. It can be used to speed up installation, minimize errors and reduce space. This high density connector type allows the use of a compact 12-fibre ribbon cable instead of bulkier simplex cable. Additionally you can connect 12 fibres in one step.



Extender trunks are used to distribute portions or all of the fibres in a Plug & Play Universal System trunk to other areas in the infrastructure (48 to 144 fibres are common, maximal 576 fibres are possible). For example, a large fibre count trunk can be deployed from a main distribution area to an intermediate distribution area.



Fiber optic cable, with Corning Optical Fibre, is the ideal choice for a data centre. We invented low loss optical fiber, and since then have perfected all cable types for DC use: from multi-fiber indoor cable to Ribbon cable with a high fibre density in fibre classes OM3 and the new OM3+.



Reduced-depth MTP modules are used to break out the 12-fiber MTP® Connectors terminated on trunk cables into simplex or duplex style connectors. These modules allow easy maintenance of patch panels and ports in the equipment or main distribution zones.



Corning hardware offers an extensive range of cable management products for assembly in 19-inch cabinets, including preassembled distribution panels, built in panels, integrated patch cable management and sophisticated strain-relief for trunk heads.



Options for splice technology are also available.

Harness assemblies from Corning are created especially for data centre and higher fibre-count telecommunications systems where there is no room to mount interconnect hardware into racks or cabinets, or pathway space in these is limited.



CORNING OPTICAL FIBRE

Optical fibre cable systems are one of the best solutions for Data Centres. Optical fibres are not affected by interference emissions or radio interference (EMI: Electro Magnetic Interference/RFI: Radio Frequency Interference) and are therefore protected against interception and tampering. They ensure that data transfer is error-free, even over a long distance.

Corning's Data Centre Solutions includes Corning Optical Fibre: the best quality fibre in the industry. Corning's position as the industry leader in optical fibre comes from its relentless dedication to revolutionizing product and system innovations.

Corning's strong tradition of innovation and product improvement remains constant. Corning introduced the world's first laser optimized multimode fibre and continues to lead the industry by focusing on the three most crucial aspects of its business: quality products, superior manufacturing processes and comprehensive dedicated customer service. This total commitment to quality and support sets us apart from others in the industry.



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