Corning's EDGE™ Solutions Provide Three Tiers of Value in the Data Center

1. EDGE™ SOLUTIONS VALUE



Best-in-Class High-Density Solution



Tool-Less Installation



Superior Finger Access



Plan for Network Changes

2. BASE-8 VALUE



Superior Network Scalability



Mitigation



Improved Link Performance



Optimized Port Mapping

3. EDGE8™ SOLUTIONS VALUE



Reduced Jumper Complexity



Eliminate Stranded Assets



Ultra-Low-Loss Components

Plan for Network Changes

We know data centers inside out, but you know your data center best.

We are ready when you are to start working together to solve your tough data center challenges. Corning offers the services and support required to design, implement, and maintain your network.

- Award-winning One Call Gets All™ customer care
- 24/7 technical support line staffed by engineers and technicians
- Design assistance and proposal preparation including: needs analysis, schematic drawings, cable routing recommendations, design models, and bills of materials
- On-site technical assistance with your data center installation
- Rental services to ensure you have the required tools and equipment, whatever the installation
- Network of Preferred Installers (NPI) program – Certified installers can offer a 25-year extended warranty on our solutions
- Unsurpassed global manufacturing footprint for optical structured cabling systems



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OUTSIDE FLAP

BACK

COVER

Getting a Data Center Up and Running is No Small Task.

Keeping a data center fully optimized, eliminating latency, reducing downtime, maintaining compliance with continually evolving standards at the ever-increasing transmission speeds required to keep your business competitive – now that's a

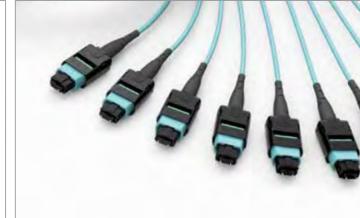
At Corning these are just the kinds of challenges we like to solve. We get data centers. We set the bar for structured cabling in the data center back in 2009 when we introduced EDGE™ solutions, the industry's first preterminated optical cabling system specifically designed for the data center environment. EDGE solutions are now deployed in over 50,000 data centers in 30 countries around the world.



A SOLUTION FOR EVERY DATA CENTER

Because every data center and SAN is unique, EDGE solutions provide a family of modular, tip-to-tip connectivity options that are uniquely configurable. Each includes cabling, housings, modules, panels, and jumpers. And each offers faster, simpler installation, higher density, superior cable management, easier moves, adds, and changes (MACs), and more flexible migration paths than competing data center solutions. But each EDGE solution set supports a different approach to data center management.

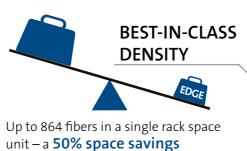






Corning's EDGE™ Solutions

While EDGE solutions continue to evolve, the foundation that they were designed upon – a fundamental understanding of the pain points inherent in managing a data center – has not. Density, network uptime, speed, simplicity, and a clear migration path to meet future requirements – these are all still critical considerations in any data center environment. EDGE solutions offer:



SCALABLE AND MODULAR **COMPONENTS**

EDGE[™] **Solutions**

> **SUPERIOR** FINGER ACCESS Easy to use for 25% faster MACs

One system supports 10, 40, and **100G.** No "forklift upgrades" required

Why Base-8 and Why Now? The Case for Base-8:

Technology road maps of transceiver, switch, server, and storage makers clearly illustrate that transmission speeds ranging from 4 to 400G will be based on either 2- or 8-fiber connectivity solutions. Base-8 connectivity provides the most future-ready solution to support 400G transmission requirements, and the benefits are clear:



Allows for 100% fiber utilization for 4-channel (SR4, PSM4, etc.) and 8-channel (SR8, LR8) applications

STREAMLINED PORT MAPPING Maps all port blades 1:1

Base-8



EDGE8[™]

Solutions



Eliminating conversion modules reduces link attenuation by 50% enabling longer parallel link distances

Introducing Corning EDGE8™ Solutions – **Because Sometimes Less Really is More**

EDGE8 solutions combine all of the density, simplicity, scalability, and modularity of Corning's EDGE solutions with the superior network scalability, improved link performance, and 100% fiber utilization of a Base-8 design.

TOOL-LESS

INSTALLATION

90% faster to install

than field terminating

Corning's EDGE8 solutions further the value of Base-8 connectivity by providing outstanding value in three

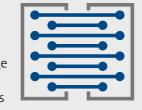


67% reduction in inventory. EDGE8 trunks are pinned allowing for a single pinless jumper deployment for all installations, reducing stocking and deployment complexity

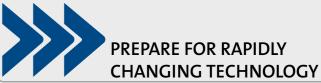
1. ASSET UTILIZATION

ELIMINATE STRANDED CABLING ASSETS

Optimized harness mapping. Allows for 24-, 32-, 36-, and 48-port blades on large chassis switches to be cabled with 8-fiber harnesses with no unused fiber/connectors



2. TECHNOLOGY **ADOPTION**



30% fewer MTP® connectors in the link equates to both cost and loss savings. **50% link-loss improvement** + improved MTP connector performance + improved module loss (0.35 dB) = extended reach

> **NETWORK CHANGES** EDGE8 solutions provide the simplest path to 40, 100, and

PLANNING FOR

even 400G

3. RISK AVOIDANCE

INSIDE **INSIDE INSIDE FLAP**