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
- 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

Corning’s Data Center Solutions Provide Three Tiers of Value

1. EDGE™ SOLUTIONS VALUE

- BEST-IN-CLASS HIGH-DENSITY SOLUTION
- TOOL-LESS INSTALLATION
- SUPERIOR FINGER ACCESS
- SCALABLE AND MODULAR COMPONENTS

2. BASE-8 VALUE

- SUPERIOR NETWORK SCALABILITY
- RISK MITIGATION
- IMPROVED LINK PERFORMANCE
- STREAMLINED PORT MAPPING

3. EDGE8™ SOLUTIONS VALUE

- REDUCE JUMPER COMPLEXITY
- ELIMINATE STRANDED CABLING ASSETS
- PREPARE FOR RAPIDLY CHANGING TECHNOLOGY
- PLAN FOR NETWORK CHANGES
- TRIPLE YOUR SWITCH PORT DENSITY

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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:

1. ASSET UTILIZATION
    EDGE8™ Solutions – Because Sometimes Less Really Is More
    EDGE 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. Corning’s EDGE8 solutions further the value of Base-8 connectivity by providing outstanding value in four critical areas:

1. 100G Ready NOW
    One system supports 10, 40, and 100G. No "forklift upgrades" required

2. TECHNOLOGY ADOPTION
    50% link-loss improvement + improved MTP® connector performance + improved module loss (0.35 dB) = extended reach

3. RISK AVOIDANCE
    Eliminating conversion modules reduces link attenuation by 50%, enabling longer parallel link distances and cabling design flexibility

4. HIGH-DENSITY 10G
    Up to 864 fibers in a single rack space unit – a 50% space savings

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 10 to 400G will be based on either 2- or 8-fiber connectivity solutions. Base-8 connectivity provides the most future-ready solutions to support 400G transmission requirements, but you don’t need to wait for future value. The benefits are clear today:

- Superior network scalability: Creates 100% fiber-utilization across simplex and parallel optic applications
- Streamlined port mapping: Enables clean port mapping of parallel broadcast applications and optimized harness mapping
- Risk mitigation: Solutions are the most flexible path to 40G and beyond, regardless of protocol
- Improved link performance: Corning’s EDGE8 solutions provide the simplest path from 10 to 400G
- Plan for network changes: EDGE8 solutions provide the simplest path from 10 to 400G
- Tripple your switch port density: Parallel port running in breakout mode translates to savings in power, cost, and rack space