Corning’s Data Centre 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 PATCH CORD COMPLEXITY
   - ELIMINATE STRANDED CABLING ASSETS
   - PREPARE FOR RAPIDLY CHANGING TECHNOLOGY
   - PLAN FOR NETWORK CHANGES
   - TRIPLE YOUR SWITCH PORT DENSITY

We know data centres inside out, but you know your data centre best.

We are ready when you are to start working together to solve your tough data centre 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 centre installation
- Network of Preferred Installers (NPI) programme – 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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INFINITE POSSIBILITIES
CORNING’S DATA CENTRE SOLUTIONS

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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 centre — 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 centre environment.

EDGE solutions offer:

1. **Best-in-Class High-Density**
   - Up to 964 fibres in a single rack space unit — 50% space savings

2. **Scalable and Modular Components**
   - One system supports 10, 40, and 100G

3. **Superior Finger Access**
   - Enables flexible access to all fibres without the need for plugging or pinning

4. **Tool-Less Installation**
   - 50% faster to install than field terminating

5. **Superior Network Scalability**
   - Enables 100% fibre utilisation across duplex and parallel optic applications

6. **Reduce Patch Cord Complexity**
   - 67% reduction in inventory. EDGE trunks are pinned, allowing for a single piece patch cord deployment for all installations, reducing stocking and deployment complexity

7. **Eliminate Stranded Cabling Assets**
   - 100% fibre utilisation. Stop paying for fibres you can’t use, and wake up to 25% cost reduction of structured cabling in parallel systems

8. **Optimised Harness Mapping**
   - Allows for 24-, 32-, 36-, and 48-port blades on large chassis switches to be cabled with 8-fibre harnesses with no unused fibre/connectors

9. **Asset Utilisation**
   - Eliminate conversion modules to achieve cost and link-loss savings.

10. **Risk Mitigation**
    - EDGE solutions are the most flexible path to 40G and beyond, regardless of protocol

11. **Preparation for Rapidly Changing Technology**
    - Eliminate conversion modules to achieve cost and link-loss savings.

12. **High-Density 10G**
    - Parallel ports running in breakout mode translate to savings in power, cost, and rack space

**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-fibre connectivity solutions. Base-8 connectivity provides the most future-ready solution to support 400G transmission requirements, but you don’t need to wait for future value.

The benefits are clear today:

- **Superior Network Scalability**
- **Prevent for Rapidly Changing Technology**
- **Plan for Network Changes**
- **Prepare for Rapidly Changing Technology**

**Our Award-Winning EDGE™ 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 performance, and 100% fibre utilisation of a Base-8 design.

Corning’s EDGE solutions further the value of Base-8 connectivity by providing outstanding value in four critical areas: