



CORNING

# Caged Area

## Customer-Driven Innovation

Customers moving into a multitenant data center (MTDC; also known as colocations) have many factors to consider. The most important factors when looking for an MTDC are cost, uptime, and security. Corning solutions consider the total cost of ownership and provide the peace of mind needed from the physical infrastructure. We provide a wide variety of products for customers moving to an MTDC, enabling:

- Lower costs by maximizing valuable data center real estate
- Mitigated risk with easy-to-use preconnectorized EDGE™ and EDGE8® components
- Ease of scaling through our global footprint and capabilities
- Comprehensive support from upfront design and engineering through post-installation testing and support
- More than 25% cost savings with a simple migration to future data rates
- SLAs to be met through the in-stock inventory of our global network of distributors

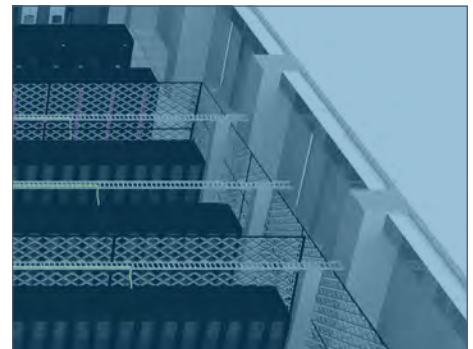
Outside Plant to the Meet-Me-Room



Main Distribution Area



Cage



# Field-Installable Solutions

## Low installation cost and optimum optical performance

The solutions available in the cage will mimic the solutions found in a traditional enterprise data center. There are several ways to terminate a fiber, and we have the deepest breadth of fiber products for whatever the customer prefers. This would be the best solution for customers who have their own splicers or who have splicers provided through the MTDC. These field installable solutions enable:

- Flexibility of connectivity in SM, MM, and 1:1 or 1:2 polarities
- More efficient use of rack space by utilizing EDGE™ hardware
- Peace of mind by eliminating slack concerns from incorrectly pre-engineered lengths
- Decreased installation time with easier access within the housing (compared to other splicing options)



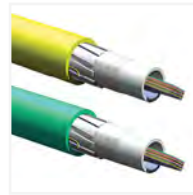


# Inside-Plant Cables



## MIC® Unitized Tight-Buffered Cables

- Available in 36-144 fibers
- Compatible with closet connector housing (CCH) pigtail cassettes
- 900 µm buffered fibers
- Also available in lower fiber count up to 24 fibers



## Ribbon Indoor, Gel-Free Cables

- Available in 12-216 fibers
- Up to 48 fibers in an 8.1 mm buffer tube duct
- Maximum attenuation (dB/km): 0.4/0.4/0.3

# Connectorization/Hardware



## Closet Connector Housing (CCH) Panels

- Broadest range of fiber count and adapter types
- Provide interconnect or cross-connect capability in a housing at main cross-connects, intermediate cross-connects, telecommunication rooms, or work areas



## CCH Pigtailed Cassettes

- Enable faster field splicing and easy modular management of connectorization within the housing
- Preloaded and prerouted for quick fusion splicing of either individual or ribbon-fiber pigtails



## UniCam™ High-Performance Toolkit

- Ease of use through high-quality tools assembled in a rugged case
- Includes a lightweight, handheld installation tool with an immediate go/no-go feedback signal to indicate proper mating of the field fiber to the fiber stub



## UniCam® High-Performance Connectors

- High-precision connectors guarantee exceptional insertion loss: 0.1 dB typical/0.5 dB maximum per connector
- Consistent optical performance through a factory-polished end face



## FuseLite® 2 Single-Fiber, Splice-On Connectors

- Insertion loss: 0.2 dB typical/0.3 dB maximum per connector
- Eliminate the need for splice trays and are compatible with leading fusion splicers in the market



## FuseLite MTP®-Compatible Splice-On Connectors

- Insertion loss: 0.25 dB typical/0.75 dB maximum per connector
- Ideal for cable-trunk restoration and repair



## Closet Connector Housing (CCH)

- Variety of field-termination options
- Adaptable to use as a modular splice housing
- Splices are stored and protected in same footprint

# Standard-Density Solutions

## Low-fiber-counts for small-to-medium data centers

The Plug & Play™ universal systems are ideal for customers that operate with low-fiber-count and few patch panels. The standard-density solutions allow for the balance between field termination and preterminated. The customer can choose to field terminate or preterminate and still be able to use the existing standard-density solution. Standard-density solutions enable:

- Peace of mind through a simplified system assembly (modules and harnesses are wired the same)
- Reduced risk by ensuring the correct fiber polarity throughout the entire system with universal polarity
- Quicker installs through readily accessible housings in our global network of distributors
- Scalability toward a 100G Ready solution
- Added security for custom system lengths by using extender trunks





# Connectorization/Hardware



## Closet Connector Housing (CCH) Panels

- Broadest range of fiber count and adapter types
- Provide interconnect or cross-connect capability in a housing at main cross-connections, intermediate cross-connections, telecommunication rooms, or work areas



## Plug & Play Universal Systems Modules

- Provide the interface between the MTP® connector on the trunk and the LC jumpers that will connect directly to the electronics



## Plug & Play™ Universal Systems MTP Adapter Panels

- Simple interface to connect trunk harnesses to trunks and standard trunks to extender trunks



## CCH Splice Cassettes

- Eliminate the need for individual splice trays or separate splice housings and allow splicing to be done away from the rack housing in a suitable workspace



## CCH Termination Cassettes

- Suitable for use with field-installable connectors
- Economical way to provide modularity, segregation, and added protection and security to your direct-terminated fibers inside any of the four CCH housing options



## CCH Pigtailed Cassettes

- Enable faster field splicing and easy modular management of connectorization within the housing
- Preloaded and prerouted for quick fusion splicing of either individual or ribbon-fiber pigtailed



## Uniboot Jumper in a box

- Jumpers per box range from 30-70 and lengths available from 1-20 m or 3-65 ft
- Save valuable time, space, and money



## Two-Fiber Jumper

- Lengths available from 1-250 (ft or m)
- Maximum attenuation 0.25 dB (SM) and 0.4 dB (MM)



## EDGE™ Solutions Reverse Polarity Uniboot Duplex Jumpers

- Quick-and-easy conversion from a TIA-568 A-B polarity to a TIA-568 A-A polarity without exposing the fibers or needing any tools
- Insertion loss: 0.5 dB (SM and MM)



## Closet Connector Housing

- Variety of field-termination options
- Adaptable to use as modular splice housing
- Splices are stored and protected in same footprint



## Pretium™ Connector Housings (PCH)

- Designed to maximize density and optimize ease-of-use in Plug & Play universal systems applications
- Holds 12 panels per housing

# High-Density Solutions

Optimized for simplicity, attenuation, and total cost

From an infrastructure perspective, high-density solutions offer the simplest path toward higher bandwidth. This also enables end-user customers to utilize their density more efficiently by using the appropriate solution for their needs. High-density solutions allow companies to prepare for applications such as Artificial Intelligence and Machine Learning which will require higher bandwidth. Corning® CleanAdvantage™ technology ensures a pristine end face upon first use for all EDGE™ and EDGE8® solutions. High-density solutions enable:

- Full fiber utilization from the MDA or Cage using the high-fiber-count cables
- Quicker moves, adds, and changes (MACs)
- Double the density of the next best alternative
- Faster network deployment than traditional preterminated solution by 35%
- Safer network moves with bend-enhanced cabling
- Energy savings when comparing optical fiber vs. copper



# Connectorization/Hardware



## EDGE8® Modules

- Maximum insertion loss: 0.60 dB (SM) and 0.35 dB (MM)
- Provides the interface between the MTP® connector on the trunk and the LC duplex jumpers that will connect directly into the cross-connect in the main distribution area
- With Corning® CleanAdvantage™ technology and optimized caps



## EDGE™ MTP Adapter Panel

- Enables pay-as-you-grow approach
- Available in 1-4 adapters per panel



## EDGE8 Tap Modules

- Integrate the coupler technology for passive optical tapping into a structured cabling component
- Available in MTP-to-LC, MTP-to-MTP, and LC-to-LC
- Split ratios: 50/50, 70/30, 80/20, and 90/10



## EDGE8 MTP Jumper

- Reduce risk with easy-to-change pinning and polarity in the field
- Seamless migration to higher data rates in the data center when used in conjunction with our EDGE8 pinned trunks
- With CleanAdvantage technology and optimized caps



## EDGE8 Harness

- Available for numerous distribution switches including Cisco, Arista, Brocade, Juniper, and HP
- Low-loss connectivity enables system design flexibility
- With CleanAdvantage™ technology and optimized caps.



## EDGE8 MTP-to-MTP Trunk

- Shipped with strain-relief clips that allow for tool-less installation
- Flexibility in both EDGE8 solutions and Plug & Play systems housings
- With CleanAdvantage technology and optimized caps.



## EDGE8 HD Housing

- Available in 1U, 2U, and 4U
- Flexibility of installing both EDGE8 solutions or Plug & Play systems cable designs



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Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC 28216 USA  
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • [www.corning.com/opcomm](http://www.corning.com/opcomm)

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