

CORNING

Enabling Rapid

Multitenant Data Centre (MTDC) Connections



Whether you're an MTDC/cloud provider or an enterprise client, all outsourced facilities come with associated challenges. Corning offers a robust range of solutions that can help, enabling:

- Extreme scalability for easy migration to higher-speed technologies and applications
- Rapid deployments for low- to high-density applications
- Quick product availability for competitive SLAs
- Secure separation between live circuits for client peace of mind
- Real, usable density— not theoretical density

This overview outlines our solutions for meet-me-room, distribution, and cage environments.

Count on Corning to help increase your flexibility, improve lead times, and reduce your total cost of ownership.

Meet-Me-Room



Main Distribution Area (MDA)



Caged Area



Meet-Me-Room

The Corning Value

- Rapid deployments with field-terminated, splice, or pre-terminated components
- Consistent signal integrity throughout the links with ITU-T G.657.A1 compliant Corning single-mode bend-optimised fibres
- Full cable compliance with EU CPR legislation
- B2ca and CCa compliant bulk cables for pre-terminated trunk assemblies
- Simplified inventory with single patch cord lengths
- Easy access to individual connections to maintain the integrity of live circuits
- Full port usage without any compromises in terms of client security
- Clear and simple migration paths to higher-speed technologies with modular product designs
- Custom cable lengths made in days, not weeks, at Corning facilities
- EDGE™ Rapid Connect extremely high-fibre-count pre-terminated solutions to meet the speed of deployment for cloud and hyperscale



1



Frames

- Up to 4,320 LC duplex connections with field-terminated, mechanical, and fusion splice options
- Up to 11,520 MTP® connections
- Single 4-m patch cord for all connections
- Simple access to individual circuits

4



Connectivity Hardware

- Field-terminated, mechanical, and fusion splice for SC and LC duplex
- Pre-terminated for SC and LC duplex, MTP
- Base-2, Base-8, and Base-12 options for 1G to 400G applications and beyond
- Adapter panel options for Base-2, Base-8, and Base-12 networks

2



Housings

- Field-terminated, mechanical, and fusion splice for SC and LC duplex
- Pre-terminated LC duplex and MTP
- Fixed, sliding, and tilt and slide options
- 288 F (4U), 576 F (4U) or 864 F (6U) LC duplex connections
- Full cable management capabilities
- Internal routing guides

5



Connectivity Cables

- EDGE™ Reverse Polarity LC Uniboot
- LC and SC Simplex or Duplex, MTP patch cords

3



Cables

- Indoor and indoor/outdoor cables for SC and LC duplex
- LSZH™ EU CPR rated
- Pre-terminated LC duplex and MTP trunks

Product Focus – Corning Frames

Single, dual, or back-to-back quad frame designs require only a single 4-meter patch cord to simplify stock management in your facility.

For true meet-me-room scalability in just a 42-square-meter footprint, we can support:

- Over 155,000 LC ports with a Centrix™ frame
- Over 103,000 LC ports with an EDGE™ ODF

To learn more about our EDGE™ Rapid Connect Solution for hyperscale and cloud providers, [please visit our website.](#)

Main Distribution Area (MDA)

The Corning Value

- Less expensive DC real estate with installer or pre-terminated options with ultra-high-density for LC duplex and MTP® options
- Simplified inventory with single patch cord lengths for frames
- Consistent signal integrity throughout the links with ITU-T G.657.A1 compliant Corning single-mode bend-optimised fibres
- Instant access to individual connections with complete cable management as standard- and single-finger access
- Universal wiring of pre-terminated components eliminates the need for polarity management
- Port breakout capabilities for disaggregating higher-speed ports
- Future-ready data centres with support for network speeds ranging from 1G to 800G



1



Frames

- Up to 4,320 LC duplex connections with field-terminated, mechanical, and fusion splice options
- Up to 11,520 MTP® connections
- Single 4-m patch cords for all connections
- Simple access to individual circuits

4



Connectivity Hardware

- Pre-terminated for SC and LC duplex, MTP
- Base-2, Base-8, and Base-12 options for 1G to 800G applications
- Adapter panel options for Base-2, Base-8, and Base-12 networks
- Pre-terminated port breakout modules to support port disaggregation of parallel optical applications

2



Housings

- Field-terminated, mechanical, and fusion splice for SC and LC duplex
- Pre-terminated LC duplex and MTP
- Fixed, sliding, tilt and slide, and floor zone box options
- Up to 576 F (4U) or 864 F (6U) LC duplex
- Up to 2,304 F (4U) MTP
- Full cable management capabilities
- Internal routing guides
- Containment system mounting brackets

5



Connectivity Cables

- EDGE™ Reverse Polarity LC Uniboot
- LC and SC Simplex or Duplex, MTP patch cords

3



Cables

- LSZH™ EU CPR rated
- Pre-terminated LC duplex and MTP trunks
- High-fibre-count pre-terminated MTP trunks up to 864 fibres

Product Focus – Corning® ClearCurve® Fibre and CleanAdvantage™ Technology

Corning ClearCurve bend-insensitive fibres offer **outstanding transmission performance** in fibre optic cabling systems.

Corning® CleanAdvantage™ technology, a new factory cleaning and sealing process ensures a pristine end face upon first use for all our EDGE™ and EDGE8® solutions, **saving up to 17% installation time and up to 95% consumables on site.**

Customers find value in not having to worry about bend radius, and a robust fibre **enables easier cable routing for neater installations.** The additional optical performance in combination with pristine fibre end-faces maintains signal integrity in the most arduous of conditions.

Caged Area

The Corning Value

- Maximised rack, cage, or hall footprints with ultra-high-density housing options ranging from 1U to 4U
- Rapid deployments with high-fibre-count cables—providing up to 864 fibres in a single cable sheath
- Consistent signal integrity throughout the links with ITU-T G.657.A1-compliant Corning single-mode bend-optimised fibres
- Clean-and-simple port mapping to active electronics whilst maintaining 100% fibre utilisation with straight and stagger cut harness options
- Easy port identification with superior labelling solutions
- VFL-compatible shutters eliminate the need for dust caps
- Port breakout capabilities for disaggregating higher-speed ports
- Future-ready data centres with support for network speeds ranging from 1G to 800G
- Integrated passive optical tapping capabilities
- Rapid manufacturing to maintain customer SLAs—even with custom-length components



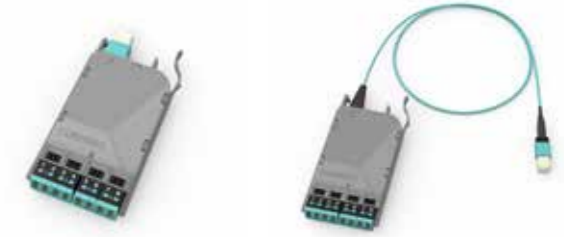
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Frames

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4



Connectivity Hardware

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- Base-2, Base-8, and Base-12 options for 1G to 800G applications
- Adapter panel options for Base-2, Base-8, and Base-12 networks
- Pre-terminated port breakout modules to support port disaggregation of parallel optic applications

2



Housings

- Field-terminated, mechanical, and fusion splice for SC and LC duplex
- Pre-terminated LC duplex and MTP
- Fixed, sliding, and tilt and slide options
- Up to 576 F LC duplex
- Up to 2,304 F MTP
- Full cable management capabilities
- Internal routing guides

5



Connectivity Cables

- EDGE™ Reverse Polarity LC Uniboot
- MTP patch cords
- Base-8 and Base-12 harnesses for high-density switch or line card distribution

3



Cables

- LSZH™ EU CPR rated
- Pre-terminated LC duplex and MTP trunks
- High-fibre-count pre-terminated MTP trunks up to 864 fibres

Product Focus

Do you want the most flexible, **ultra-high-density** solutions to use a **single-housing** footprint?

Corning offers the **broadest range** of product options in our fully modular EDGE™ and EDGE8® solution housings.

Modules, MTP adapter panels, splice panels (EDGE only), TAP modules, port breakout modules, high-fibre-count trunks, and harnesses all use **universal wiring** to eliminate the need for polarity management in preterminated solutions.

For simplified and robust field configurability and ease of use in extremely dense situations, trunks, harnesses and patch cords are using an MTP® PRO connector with push-pull boot.



Want to know more?

Contact a Corning Customer Care Representative at [00 800 2676 4641](tel:0080026764641) or visit our [MTDC website](#).



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