EDGE8® Solutions

CORNING

DELL EMC

EDGE8® Solutions

CORNING

EDGE8® Solutions Introduction

Corning® ClearCurve® bend-optimized multimode and Corning® SMF-28e® Ultra single-mode optical fibers are the core elements of the system ensuring reliability when designing custom-engineered components, thanks to their significant reduction in macrobend loss even in the most challenging bend scenarios. This technology enables Corning to provide significantly greater density across the range, combined with a simple design and integration for LAN and SAN areas within the data center, while the preterminated components reduce installation times and enable faster moves, adds, and changes (MACs).

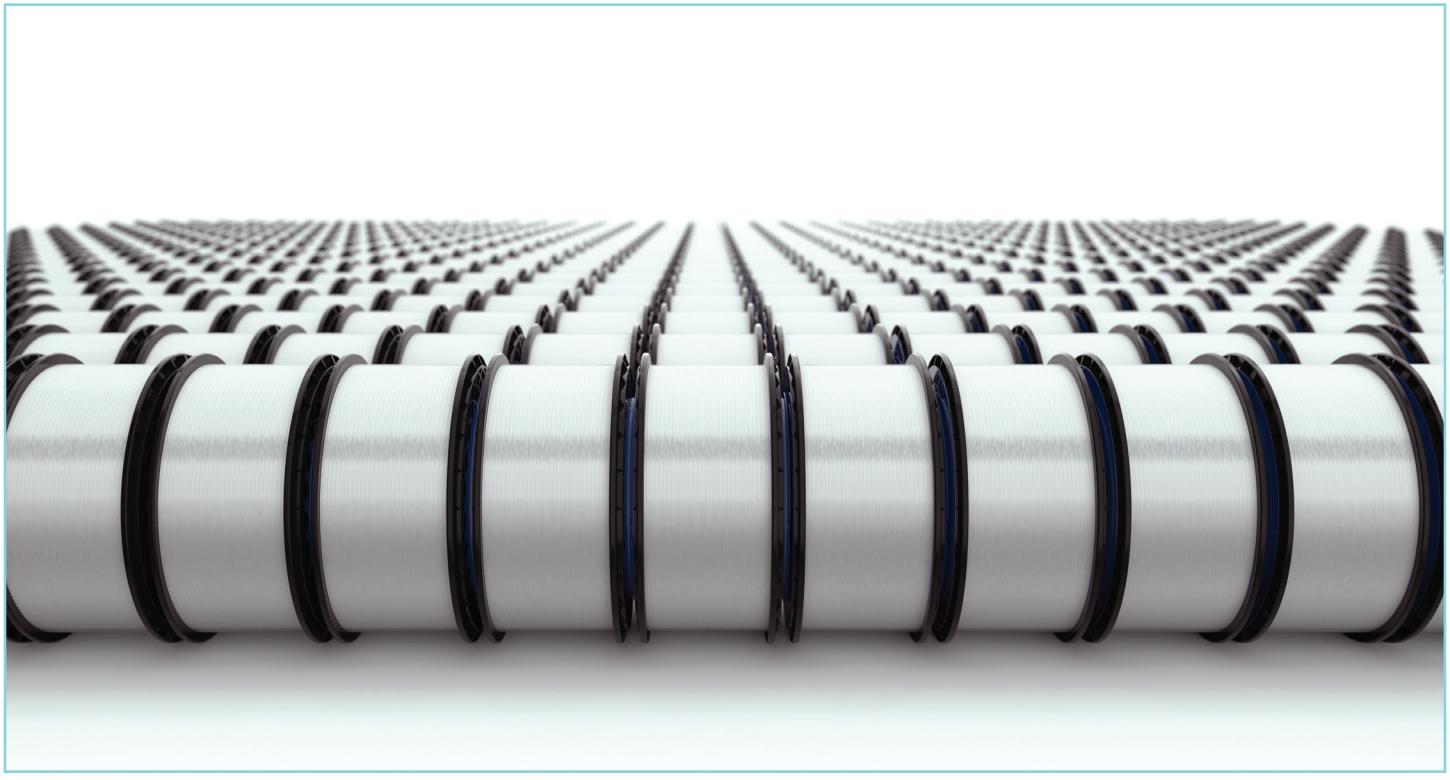
Our EDGE™ solutions were the industry's first preterminated optical cabling systems specifically designed for the data center environment, and the value that EDGE provides to the industry continues to be proven. Density, network uptime, speed, simplicity, and a clear migration path to meet future requirements ... EDGE addresses it all. However, switch and transceiver technology road maps clearly indicate that transmission speeds ranging from 1G to 400G will be based on either 2-fiber (Base-2) or 8-fiber (Base-8) connectivity solutions.

That's the motivation behind EDGE8 solutions. All of the value of our original EDGE solutions, with the added superior network scalability, improved link performance, and 100 percent fiber utilization of a Base-8 design.

EDGE8 solutions strengthen your data center in three key areas:

- Increase asset utilization with reduced patch cord complexity and the elimination of stranded cabling assets
- Technology adoption due to 100 percent fiber utilization – without the need for conversion modules – improving the link performance while reducing costs
- Risk avoidance, providing a simple and clear path to 40G, 100G, and 400G

Our EDGE and EDGE8 solutions count with Corning® **CleanAdvantage™ Technology** to ensure a pristine end face upon first use. Thus, saving time and money during the initial installation. Learn more at **corning.com/cleanadvantage**



DELL EMC

EDGE8® Solutions

CORNING

Contents

EDGE8® Solutions Overview. 4

EDGE8 HD Housings 5

EDGE8 Trunks 6

EDGE8 MPO Patch Cords 9

EDGE8 Modules 10

EDGE8 MPO Adapter Panels 11

Reverse Polarity Uniboot Duplex Patch Cords 12

16-Fiber “Y” MPO Harness 13

MPO 16-Fiber MPO-12DD Patch Cords 14

Accessories 15

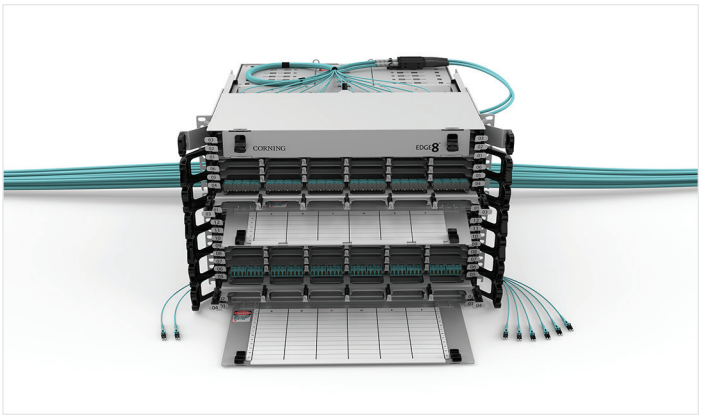
DELL EMC

EDGE8® Solutions

CORNING

EDGE8® Solutions Overview

EDGE8® solutions are Base-8, high-density preterminated optical cabling solutions offering the most future-ready solution to support 40G, 100G, and 400G transmission requirements. With all the benefits of the Corning EDGE™ solution, EDGE8 offers superior network scalability and improved link performance.



EDGE8 Solutions

Features and Benefits

8-fiber MTP® connectors
Base-8 configuration allows for seamless migration to data rates of 40 and above.

Removeable covers on the 1U and 2U housings
Provides easier access to modules and panels.

EDGE™ reverse polarity uniboot patch cord
Enables quick and easy polarity management.

Improved mounting brackets
Allows for one-person installation and depth adjustment in the rack.

Bracket option for 23-in racks
Offers the ultimate design flexibility.

Strap-in strain-relief clips
Provides easier cable management.

MTP PRO connectors on harnesses and patch cord
Allows for pinning and polarity changes in the field.

MTP assemblies with reduced footprint and cable OD
Reduces congestion in high-connectivity environment.

Corning® ClearCurve® fiber creates smaller form-factor components for more rugged cabling
Improves airflow and reduces risk of downtime due to pinched or bent cables.

Corning® CleanAdvantage™ technology and optimized dust cap
Eliminates the need for scoping and cleaning prior to initial field connection.

Connected Mated Pair – Ultra Low Loss		
	Insertion Loss, Maximum OM3/OM4/OM5	OS2
LC Connector	0.10 dB	0.25 dB
MTP Connector	0.25 dB	0.35 dB

*All MTP on trunks are manufactured to meet ultra-low-loss values

Modules/Harnesses – Ultra Low Loss		
	Insertion Loss, Maximum OM3/OM4/OM5	OS2
Component Value	0.35 dB	0.6 dB

DELL EMC

EDGE8® Solutions

EDGE8® HD Housings

EDGE8 HD housings mount in 19-in racks or cabinets and provide industry-leading ultra-high-density connectivity when combined with EDGE8 modules, panels, harnesses, trunks, and patch cords.

The unique design of EDGE8 HD housings include sliding drawers, enabling module or panel installation from the front or rear of the housing. Each sliding drawer contains integrated cable routing elements to make real structured patch cord management possible while providing unprecedented finger access without the need for tools or any other accessories. All EDGE8 HD housings come with additional side-routing guides for patch cord integration to the cabinet. The adjustable mounting brackets provide flexible installation options for back-to-back or flush-mounting requirements, and the quick-mount feature makes it quick and easy for one person to install the housing with little effort.

The mounting and removal of trunks is a simple, quick, and tool-less operation, enabling rapid deployment of high-fiber-count trunks for faster moves, adds, and changes (MACs).

Labeling the housing couldn't be easier with a full-size mounting area on the inside of the front door for the display of clear and concise information. The easily installable trunk mounting plate provides flexibility, depending on your design (e.g., back-to-back) or application (e.g., reduced depth) concept.

EDGE8 High-Density Housing | Photo REN474

EDGE8-01U-SP | Photo REN446

EDGE8-02U | Photo REN463

EDGE8-04U | Photo REN466

Ordering Information

Part Number	Height	Dimensions (W x D x H)	Packaging Dimensions (W x D x H)	Shipping Weight	Number of Panels per Housing
EDGE8-01U-SP	1U	432 x 561 x 44 mm	581 x 667 x 197 mm	8.2 kg (18 lb)	18
EDGE8-02U	2U	432 x 561 x 88 mm	578 x 667 x 241 mm	10.4 kg (23 lb)	36
EDGE8-04U	4U	432 x 561 x 177 mm	578 x 667 x 327 mm	16.5 kg (36 lb)	72

EDGE8® Solutions

CORNING

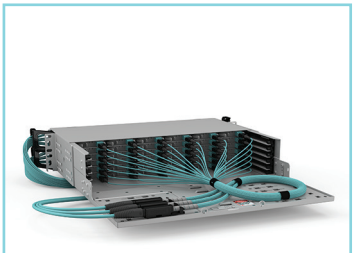
EDGE8® Trunks

EDGE8 MPO trunks are preterminated cables with ultra-low-loss 8-fiber MPO connectors on both ends. The trunks build up the major backbone of the passive network infrastructure, and enable rapid deployment for your campus LAN or data center facility. All trunks are shipped with strain-relief clips that allow for tool-less installation in EDGE8 housings. These trunks conform to TIA-568 Type-B or Type-A polarity, depending on product selection. In addition, the trunks are standard with a pulling grip on the pinned MPO-12 end for easy handling during installation in cable tray or through firewall pass-throughs.

EDGE8 MPO Trunks comes with Corning® CleanAdvantage™ technology and optimized dust cap, eliminating the need for scoping and cleaning prior to initial field connection.

Notes:

- Additional fiber counts and multiple lengths are available for trunks.
- Be aware that changing the trunk fiber count may change other component's part numbers in the different scenarios shown in LAN-2495-AEN **"Choosing the Correct Bill-of-Material (BOM)"**
- Please contact your regional Corning Technical Support Line in case of any questions.



EDGE8-02U Rack-Mount Rear Side | Photo REN581

EDGE8 16-F MPO Trunk | Photo REN3357

Trunk Specifications

Fiber	Nominal Outer Diameter	Pulling Grip Outer Diameter	Weight	Minimum Bend Radius	Minimum Bend Radius	Flame Rating
16	7.0 mm (± 0.3 mm)	38 mm (1.5 in)	41.1 kg/km (27.6 lb/1,000)	105 mm (4.13 in)	35 mm (1.38 in)	Plenum or LSZH™

Optical Performance

	Connector Polish	End Face	Reflectance	Maximum Insertion Loss	Operation
Multimode	PC	Flat	≤ -20 dB	≤ 0.25 dB*	-10°C to 60°C
Single-Mode	APC	Angled	≤ -65 dB	≤ 0.35 dB*	-10°C to 60°C

**Note: IL in preconnectorized products is measured in the factory through two mated pairs.*

Trunk Shipping Information

Fiber Count	Length (m)	Packaging Method	Reel/Box Dimensions (in)
16	10, 20	Box	21 x 21 x 3.3
16	30, 40, 50, 60, 70, 80	Plastic reel	26 x 25.5 x 7 (Reel diameter – 19.5 in) (Reel width – 5 in)

DELL EMC

EDGE8® Solutions

CORNING

Ordering Information

Plenum Trunk Part Numbers (NAFTA)	LSZH™ Trunk Part Numbers (EMEA & APJ)	Description
Multimode MPO-12 (pinned) to MPO-12 (pinned)		
GE5E516QPNDDU010M	GE5E516QLZDDU010M	EDGE8® MPO Trunk, 50 µm multimode (OM4), 16 fibers, MPO-12 (pinned) to MPO-12 (pinned), TIA-568 standard type-B polarity, pulling grip on the pinned MPO-12 end, 10 m
GE5E516QPNDDU020M	GE5E516QLZDDU020M	EDGE8 MPO Trunk, 50 µm multimode (OM4), 16 fibers, MPO-12 (pinned) to MPO-12 (pinned), TIA-568 standard type-B polarity, pulling grip on the pinned MPO-12 end, 20 m
GE5E516QPNDDU030M	GE5E516QLZDDU030M	EDGE8 MPO Trunk, 50 µm multimode (OM4), 16 fibers, MPO-12 (pinned) to MPO-12 (pinned), TIA-568 standard type-B polarity, pulling grip on the pinned MPO-12 end, 30 m
GE5E516QPNDDU040M	GE5E516QLZDDU040M	EDGE8 MPO Trunk, 50 µm multimode (OM4), 16 fibers, MPO-12 (pinned) to MPO-12 (pinned), TIA-568 standard type-B polarity, pulling grip on the pinned MPO-12 end, 40 m
GE5E516QPNDDU050M	GE5E516QLZDDU050M	EDGE8 MPO Trunk, 50 µm multimode (OM4), 16 fibers, MPO-12 (pinned) to MPO-12 (pinned), TIA-568 standard type-B polarity, pulling grip on the pinned MPO-12 end, 50 m
GE5E516QPNDDU060M	GE5E516QLZDDU060M	EDGE8 MPO Trunk, 50 µm multimode (OM4), 16 fibers, MPO-12 (pinned) to MPO-12 (pinned), TIA-568 standard type-B polarity, pulling grip on the pinned MPO-12 end, 60 m
GE5E516QPNDDU070M	GE5E516QLZDDU070M	EDGE8 MPO Trunk, 50 µm multimode (OM4), 16 fibers, MPO-12 (pinned) to MPO-12 (pinned), TIA-568 standard type-B polarity, pulling grip on the pinned MPO-12 end, 70 m
GE5E516QPNDDU080M	GE5E516QLZDDU080M	EDGE8 MPO Trunk, 50 µm multimode (OM4), 16 fibers, MPO-12 (pinned) to MPO-12 (pinned), TIA-568 standard type-B polarity, pulling grip on the pinned MPO-12 end, 80 m
Single-Mode MPO-12 (pinned) to MPO-12 (unpinned)		
GE5E616QPNDDP010M	GE5E616QLZDDP010M	EDGE8 MPO Trunk, 50 µm multimode (OM4), 16 fibers, MPO-12 (pinned) to MPO-12 (unpinned), TIA-568 standard type-A polarity, pulling grip on the pinned MPO-12 end, 10 m
GE5E616QPNDDP020M	GE5E616QLZDDP020M	EDGE8 MPO Trunk, 50 µm multimode (OM4), 16 fibers, MPO-12 (pinned) to MPO-12 (unpinned), TIA-568 standard type-A polarity, pulling grip on the pinned MPO-12 end, 20 m
GE5E616QPNDDP030M	GE5E616QLZDDP030M	EDGE8 MPO Trunk, 50 µm multimode (OM4), 16 fibers, MPO-12 (pinned) to MPO-12 (unpinned), TIA-568 standard type-A polarity, pulling grip on the pinned MPO-12 end, 30 m
GE5E616QPNDDP040M	GE5E616QLZDDP040M	EDGE8 MPO Trunk, 50 µm multimode (OM4), 16 fibers, MPO-12 (pinned) to MPO-12 (unpinned), TIA-568 standard type-A polarity, pulling grip on the pinned MPO-12 end, 40 m
GE5E616QPNDDP050M	GE5E616QLZDDP050M	EDGE8 MPO Trunk, 50 µm multimode (OM4), 16 fibers, MPO-12 (pinned) to MPO-12 (unpinned), TIA-568 standard type-A polarity, pulling grip on the pinned MPO-12 end, 50 m
GE5E616QPNDDP060M	GE5E616QLZDDP060M	EDGE8 MPO Trunk, 50 µm multimode (OM4), 16 fibers, MPO-12 (pinned) to MPO-12 (unpinned), TIA-568 standard type-A polarity, pulling grip on the pinned MPO-12 end, 60 m
GE5E616QPNDDP070M	GE5E616QLZDDP070M	EDGE8 MPO Trunk, 50 µm multimode (OM4), 16 fibers, MPO-12 (pinned) to MPO-12 (unpinned), TIA-568 standard type-A polarity, pulling grip on the pinned MPO-12 end, 70 m
GE5E616QPNDDP080M	GE5E616QLZDDP080M	EDGE8 MPO Trunk, 50 µm multimode (OM4), 16 fibers, MPO-12 (pinned) to MPO-12 (unpinned), TIA-568 standard type-A polarity, pulling grip on the pinned MPO-12 end, 80 m

DELL EMC

Ordering Information (Continued)

Plenum Trunk Part Numbers (NAFTA)	LSZH™ Trunk Part Numbers (EMEA & APJ)	Description
Multimode MPO-12 (pinned) to MPO-12 (pinned)		
GE7E716GPNDDU010M	GE7E716GLZDDU010M	EDGE8® MPO Trunk, single-mode Ultra (OS2), 16 fibers, MPO-12 (pinned) to MPO-12 (pinned), TIA-568 standard type-B polarity, pulling grip on the pinned MPO-12 end, 10 m
GE7E716GPNDDU020M	GE7E716GLZDDU020M	EDGE8 MPO Trunk, single-mode Ultra (OS2), 16 fibers, MPO-12 (pinned) to MPO-12 (pinned), TIA-568 standard type-B polarity, pulling grip on the pinned MPO-12 end, 20 m
GE7E716GPNDDU030M	GE7E716GLZDDU030M	EDGE8 MPO Trunk, single-mode Ultra (OS2), 16 fibers, MPO-12 (pinned) to MPO-12 (pinned), TIA-568 standard type-B polarity, pulling grip on the pinned MPO-12 end, 30 m
GE7E716GPNDDU040M	GE7E716GLZDDU040M	EDGE8 MPO Trunk, single-mode Ultra (OS2), 16 fibers, MPO-12 (pinned) to MPO-12 (pinned), TIA-568 standard type-B polarity, pulling grip on the pinned MPO-12 end, 40 m
GE7E716GPNDDU050M	GE7E716GLZDDU050M	EDGE8 MPO Trunk, single-mode Ultra (OS2), 16 fibers, MPO-12 (pinned) to MPO-12 (pinned), TIA-568 standard type-B polarity, pulling grip on the pinned MPO-12 end, 50 m
GE7E716GPNDDU060M	GE7E716GLZDDU060M	EDGE8 MPO Trunk, single-mode Ultra (OS2), 16 fibers, MPO-12 (pinned) to MPO-12 (pinned), TIA-568 standard type-B polarity, pulling grip on the pinned MPO-12 end, 60 m
GE7E716GPNDDU070M	GE7E716GLZDDU070M	EDGE8 MPO Trunk, single-mode Ultra (OS2), 16 fibers, MPO-12 (pinned) to MPO-12 (pinned), TIA-568 standard type-B polarity, pulling grip on the pinned MPO-12 end, 70 m
GE7E716GPNDDU080M	GE7E716GLZDDU080M	EDGE8 MPO Trunk, single-mode Ultra (OS2), 16 fibers, MPO-12 (pinned) to MPO-12 (pinned), TIA-568 standard type-B polarity, pulling grip on the pinned MPO-12 end, 80 m
Single-Mode MPO-12 (pinned) to MPO-12 (unpinned)		
GE7E816GPNDDP010M	GE7E816GLZDDP010M	EDGE8 MPO Trunk, single-mode Ultra (OS2), 16 fibers, MPO-12 (pinned) to MPO-12 (unpinned), TIA-568 standard type-A polarity, pulling grip on the pinned MPO-12 end, 10 m
GE7E816GPNDDP020M	GE7E816GLZDDP020M	EDGE8 MPO Trunk, single-mode Ultra (OS2), 16 fibers, MPO-12 (pinned) to MPO-12 (unpinned), TIA-568 standard type-A polarity, pulling grip on the pinned MPO-12 end, 20 m
GE7E816GPNDDP030M	GE7E816GLZDDP030M	EDGE8 MPO Trunk, single-mode Ultra (OS2), 16 fibers, MPO-12 (pinned) to MPO-12 (unpinned), TIA-568 standard type-A polarity, pulling grip on the pinned MPO-12 end, 30 m
GE7E816GPNDDP040M	GE7E816GLZDDP040M	EDGE8 MPO Trunk, single-mode Ultra (OS2), 16 fibers, MPO-12 (pinned) to MPO-12 (unpinned), TIA-568 standard type-A polarity, pulling grip on the pinned MPO-12 end, 40 m
GE7E816GPNDDP050M	GE7E816GLZDDP050M	EDGE8 MPO Trunk, single-mode Ultra (OS2), 16 fibers, MPO-12 (pinned) to MPO-12 (unpinned), TIA-568 standard type-A polarity, pulling grip on the pinned MPO-12 end, 50 m
GE7E816GPNDDP060M	GE7E816GLZDDP060M	EDGE8 MPO Trunk, single-mode Ultra (OS2), 16 fibers, MPO-12 (pinned) to MPO-12 (unpinned), TIA-568 standard type-A polarity, pulling grip on the pinned MPO-12 end, 60 m
GE7E816GPNDDP070M	GE7E816GLZDDP070M	EDGE8 MPO Trunk, single-mode Ultra (OS2), 16 fibers, MPO-12 (pinned) to MPO-12 (unpinned), TIA-568 standard type-A polarity, pulling grip on the pinned MPO-12 end, 70 m
GE7E816GPNDDP080M	GE7E816GLZDDP080M	EDGE8 MPO Trunk, single-mode Ultra (OS2), 16 fibers, MPO-12 (pinned) to MPO-12 (unpinned), TIA-568 standard type-A polarity, pulling grip on the pinned MPO-12 end0, 80 m

EDGE8® Solutions

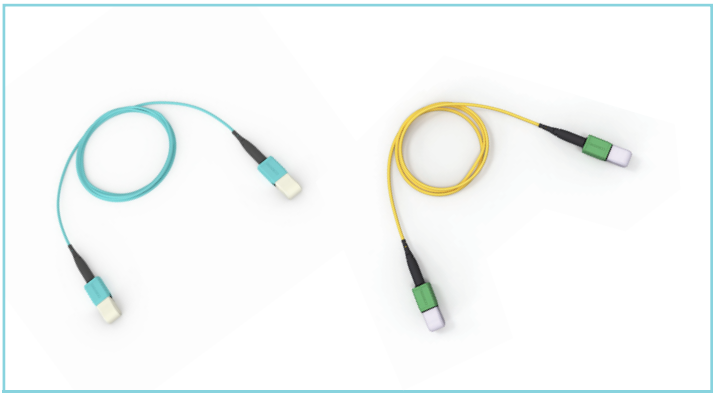
CORNING

EDGE8® MPO Patch Cords

EDGE8 8-fiber MPO patch cords allow for seamless migration to higher data rates in the data center when used in conjunction with our EDGE8 trunks.

EDGE8 MPO assembly has the same connector size and cable footprint as duplex LC patch cord used today. The density, airflow, and cable management advantages of EDGE8 solutions is preserved as you migrate to higher data rates. Assemblies are built utilizing MTP® PRO connectors.

MTP® PRO allows for a simple one-step, color-coded polarity change feature without removing the connector housing. The connector also provides the capability for field-friendly pinning configuration changes with safe handling of pins and easy color identification while maintaining product integrity.



EDGE8 MPO Patch Cord | Photo REN4915 and REN4916

MPO Patch Cords Specifications

Characteristic	Specification
Nominal Cable Diameter (mm)	2.0
SM MPO Maximum Insertion Loss	0.35
MM MPO Maximum Insertion Loss	0.25
SM Reflectance	≤ -65 dB
MM Reflectance	≤ -20 dB
Flame Rating	Plenum or LSZH™
Operation Temperature	-10°C to 60°C

Ordering Information

Plenum Patch Cord Part Numbers (NAFTA)	LSZH Patch Cord Part Numbers (EMEA & APJ)	Description
Multimode		
JE6E608QE8-NB001M	JE6E608QEZ-NB001M	8-Fiber MPO Patch Cord, MM/OM4, MPO-12 (unpinned) to MPO-12 (unpinned), type-B polarity, 1 m
JE6E608QE8-NB002M	JE6E608QEZ-NB002M	8-Fiber MPO Patch Cord, MM/OM4, MPO-12 (unpinned) to MPO-12 (unpinned), type-B polarity, 2 m
JE6E608QE8-NB003M	JE6E608QEZ-NB003M	8-Fiber MPO Patch Cord, MM/OM4, MPO-12 (unpinned) to MPO-12 (unpinned), type-B polarity, 3 m
JE6E608QE8-NB008M	JE6E608QEZ-NB008M	8-Fiber MPO Patch Cord, MM/OM4, MPO-12 (unpinned) to MPO-12 (unpinned), type-B polarity, 8 m
JE6E608QE8-NB015M	JE6E608QEZ-NB015M	8-Fiber MPO Patch Cord, MM/OM4, MPO-12 (unpinned) to MPO-12 (unpinned), type-B polarity, 15 m
Single-mode		
JE8E808GE8-NB001M	JE8E808GEZ-NB001M	8-Fiber MPO Patch Cord, SM/OS2, MPO-12 (unpinned) to MPO-12 (unpinned), type-B polarity, 1 m
JE8E808GE8-NB002M	JE8E808GEZ-NB002M	8-Fiber MPO Patch Cord, SM/OS2, MPO-12 (unpinned) to MPO-12 (unpinned), type-B polarity, 2 m
JE8E808GE8-NB003M	JE8E808GEZ-NB003M	8-Fiber MPO Patch Cord, SM/OS2, MPO-12 (unpinned) to MPO-12 (unpinned), type-B polarity, 3 m
JE8E808GE8-NB008M	JE8E808GEZ-NB008M	8-Fiber MPO Patch Cord, MM/OM4, MPO-12 (unpinned) to MPO-12 (unpinned), type-B polarity, 8 m
JE8E808GE8-NB015M	JE8E808GEZ-NB015M	8-Fiber MPO Patch Cord, MM/OM4, MPO-12 (unpinned) to MPO-12 (unpinned), type-B polarity, 15 m

Note: Additional lengths are available.

Please contact your regional Corning Technical Support Line in case of any questions.

DELL EMC

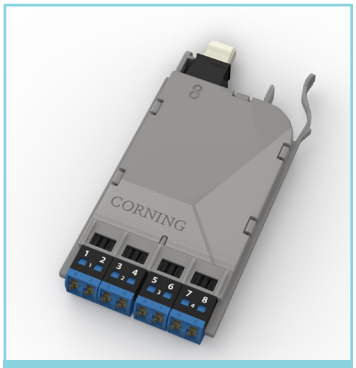
EDGE8® Solutions

EDGE8® Modules

All EDGE8 modules can be installed from the front or the rear of any EDGE8 housing using a simple release mechanism, eliminating the need for any tools. LC duplex adapters feature hinged shutters that move up and out of the way when the connector is inserted. Specially designed indents in the shutters ensure that the end faces of the connectors are never touched. These shutters replace the standard dust caps that are typically never replaced once removed, thereby exposing the interior end faces to dust particles and possible damage. In addition, the shutters are visual fault locator (VFL) compatible to allow easy port identification while diffusing the VFL light to ensure adequate eye safety.

EDGE8 MPO Trunks comes with Corning® CleanAdvantage™ technology and optimized dust cap, eliminating the need for scoping and cleaning prior to initial field connection.

EDGE8 MPO to LC Duplex Module | Photo REN6575



EDGE8 MPO to LC Duplex Module | Photo REN7093

Optical Performance

	Connector Type	Module Insertion Loss, Maximum	Fiber Category	Adapter Color Front
Multimode Modules	PC	0.35 dB	50 µm MM (OM4)	Aqua
Single-Mode Modules	UPC	0.60 dB	SM (OS2)	Blue

Ordering Information

Module Part Numbers	Description
ECM8-UM08-05-E5Q-ULL	EDGE8 Module, LC duplex to MPO-12 (pinned), 8-fiber, MM/OM4, universal polarity
ECM8-UM08-04-E7G-ULL	EDGE8 Module, LC duplex to MPO-12 (pinned), 8-fiber, SM/OS2, universal polarity

EDGE8® Solutions

CORNING

EDGE8® MPO Adapter Panels

EDGE8 MPO adapter panels are pass-through panels that provide a simple interface to mate MPO connectors. All EDGE8 adapter panels can be installed from the front or rear of any EDGE8 hardware using a simple release mechanism, thereby eliminating the need for any tools. EDGE8 MPO adapter panels are available with one, two, and four 8-fiber adapters for multimode and single-mode applications. All panels feature unique shuttered reversible adapters at the front of the panel for on-site changes to manage field polarity, and visual port identification while defusing the VFL light to ensure adequate eye safety.

EDGE8 Adapter Panel | Photo REN485

EDGE8 Adapter Panel | Photo REN494

Part Number	Adapter Color	MPO Port Count	Fiber Category
EDGE8-CP32-V1	Black	4	SM (OS2)
EDGE8-CP32-V3	Aqua	4	50 µm MM

DELL EMC

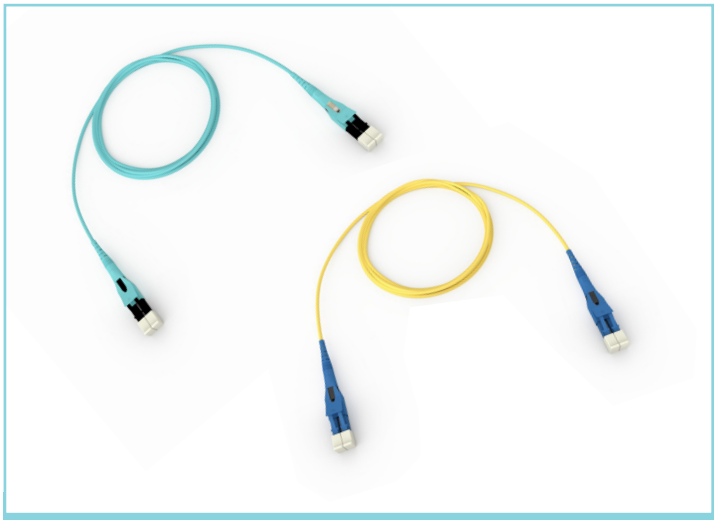
EDGE8® Solutions

CORNING

Reverse Polarity Uniboot Duplex Patch Cords

EDGE™ reverse polarity uniboot duplex patch cords allow for the 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.

The patch cord comes with A-B polarity that can be leveraged for all described applications. This uniboot design allows one cable to carry both fibers, reducing patch cord bulk when routing.



Reverse Polarity Uniboot Duplex Patch Cords | Photo REN6462 and REN6461

Optical Performance

Connector	Typical Connector Attenuation (dB)	Return Loss (dB)
MM LC Uniboot	0.10	≤ -26
SM LC UPC Uniboot	0.25	≤ -55

Ordering Information

Plenum Part Numbers (NAFTA)	LSZH™ Part Numbers (EMEA & APJ)	Description
Multimode		
797902QD120001M	E797902QNZ20001M	EDGE™ Uniboot Duplex LC Patch Cord, MM/OM4, LC uniboot to LC uniboot, 1 m
797902QD120002M	E797902QNZ20002M	EDGE Uniboot Duplex LC Patch Cord, MM/OM4, LC uniboot to LC uniboot, 2 m
797902QD120003M	E797902QNZ20003M	EDGE Uniboot Duplex LC Patch Cord, MM/OM4, LC uniboot to LC uniboot, 3 m
797902QD120008M	E797902QNZ20008M	EDGE Uniboot Duplex LC Patch Cord, MM/OM4, LC uniboot to LC uniboot, 8 m
797902QD120015M	E797902QNZ20015M	EDGE Uniboot Duplex LC Patch Cord, MM/OM4, LC uniboot to LC uniboot, 15 m
Single-Mode		
787802GD120001M	E787802GNZ20001M	EDGE Uniboot Duplex LC Patch Cord, SM/OS2, LC UPC uniboot to LC UPC uniboot, 1 m
787802GD120002M	E787802GNZ20002M	EDGE Uniboot Duplex LC Patch Cord, SM/OS2, LC UPC uniboot to LC UPC uniboot, 2 m
787802GD120003M	E787802GNZ20003M	EDGE Uniboot Duplex LC Patch Cord, SM/OS2, LC UPC uniboot to LC UPC uniboot, 3 m
787802GD120008M	E787802GNZ20008M	EDGE Uniboot Duplex LC Patch Cord, SM/OS2, LC uniboot to LC uniboot, 8 m
787802QD120015M	E787802GNZ20015M	EDGE Uniboot Duplex LC Patch Cord, SM/OS2, LC uniboot to LC uniboot, 15 m

Note: Additional lengths are available.

Please contact your regional Corning Technical Support Line in case of any questions.

DELL EMC

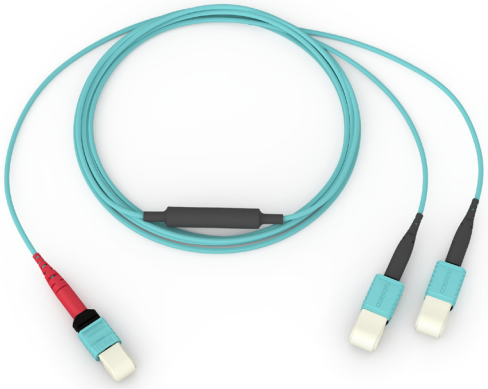
EDGE8® Solutions

CORNING

16-Fiber “Y” MPO Harness

EDGE™ solutions 16-fiber “Y” MPO harness is apreterminated assembly that provides the conversion from 16- to 8-fiber connectivity for MPO-12DD applications.

16-Fiber “Y” MPO harness comes with Corning® CleanAdvantage™ technology and optimized dust cap, eliminating the need for scoping and cleaning prior to initial field connection.



16-Fiber “Y” MPO Harness | Photo REN7136

Assembly Specifications

Characteristic	Specification
Nominal Diameter (mm)	3.1
Furcation Length (in)	36
8-F MPO Maximum Insertion Loss	0.25
24-F MPO Maximum Insertion Loss	0.5
Reflectance	≤ -20 dB
Flame Rating	Plenum or LSZH™
Operation Temperature	-10°C to 60°C

Ordering Information

Plenum Part Numbers (NAFTA)	LSZH Part Numbers (EMEA & APJ)	Description
HA6E616QPH-L4001M	HA6E616QLZ-L4001M	EDGE™ 16 F Y-harness, MM/OM4, MPO-12DD (unpinned) to two MPO-12 (unpinned), 36-in breakout leg length, type-B polarity, 1 m
HA6E616QPH-L4002M	HA6E616QLZ-L4002M	EDGE 16 F Y-harness, MM/OM4, MPO-12DD (unpinned) to two MPO-12 (unpinned), 36-in breakout leg length, type-B polarity, 2 m
HA6E616QPH-L4003M	HA6E616QLZ-L4003M	EDGE 16 F Y-harness, MM/OM4, MPO-12DD (unpinned) to two MPO-12 (unpinned), 36-in breakout leg length, type-B polarity, 3 m
HA6E616QPH-L4005M	HA6E616QLZ-L4005M	EDGE 16 F Y-harness, MM/OM4, MPO-12DD (unpinned) to two MPO-12 (unpinned), 36-in breakout leg length, type-B polarity, 5 m
HA6E616QPH-L4007M	HA6E616QLZ-L4007M	EDGE 16 F Y-harness, MM/OM4, MPO-12DD (unpinned) to two MPO-12 (unpinned), 36-in breakout leg length, type-B polarity, 7 m

Note: Additional lengths are available.

Please contact your regional Corning Technical Support Line in case of any questions.

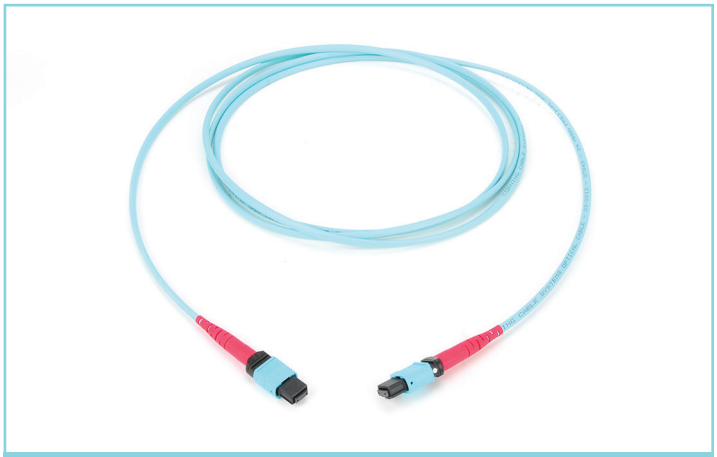
DELL EMC

EDGE8® Solutions

CORNING

MPO 16-Fiber MPO-12DD Patch Cords

EDGE™ MPO-12DD assemblies are used to connect between electronics. These cable assemblies feature a 3.1 mm outside diameter. Polarity of assembly allows direct connection between MPO-12DD optics.



EDGE MPO 16-Fiber MPO-12DD Patch Cord | Photo LAN4167

Assembly Specifications

Characteristic	Specification
Nominal Diameter (mm)	3.1
24-F MPO Maximum Insertion Loss	0.5
Reflectance	≤ -20 dB
Flame Rating	Plenum or LSZH™
Operation Temperature	-10°C to 60°C

Ordering Information

Plenum Part Numbers (NAFTA)	LSZH Part Numbers (EMEA & APJ)	Description
JA6A616QPH-ND001M	JA6A616QLZ-ND001M	EDGE 16-F Patch Cord, MM/OM4, MPO-12DD (unpinned) to MPO-12DD (unpinned), SR8 polarity, 1 m
JA6A616QPH-ND002M	JA6A616QLZ-ND002M	EDGE 16-F Patch Cord, MM/OM4, MPO-12DD (unpinned) to MPO-12DD (unpinned), SR8 polarity, 2 m
JA6A616QPH-ND003M	JA6A616QLZ-ND003M	EDGE 16-F Patch Cord, MM/OM4, MPO-12DD (unpinned) to MPO-12DD (unpinned), SR8 polarity, 3 m
JA6A616QPH-ND005M	JA6A616QLZ-ND005M	EDGE 16-F Patch Cord, MM/OM4, MPO-12DD (unpinned) to MPO-12DD (unpinned), SR8 polarity, 5 m
JA6A616QPH-ND007M	JA6A616QLZ-ND007M	EDGE 16-F Patch Cord, MM/OM4, MPO-12DD (unpinned) to MPO-12DD (unpinned), SR8 polarity, 7 m

Note: Additional lengths are available.

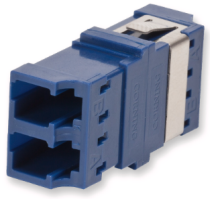
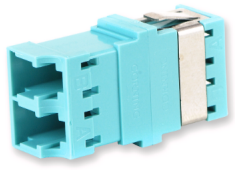
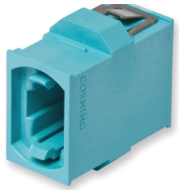
Please contact your regional Corning Technical Support Line in case of any questions.

DELL EMC

EDGE8® Solutions

CORNING

Accessories

Part Number	Description	Image
ADP0-DLC0-CCNRF-CLS	LC Adapter, SM blue, reduced-flange mount, ceramic sleeve	
ADP0-DLC0-CCARF-CLS	LC Adapter, MM aqua, reduced-flange mount, ceramic sleeve	
ADP-MTP0-CNARF-CLS	MPO Adapter, 50 µm MM, aqua	
ADP-MTP0-CNBRF-CLS	MPO Adapter, SM, black	

DELL EMC

EDGE8® Solutions

CORNING

For questions, please contact Corning's Technical Support Line:

Americas
Phone: 800-743-2671
Email: dutyeng@corning.com

EMEA and APJ
Phone: +49 305 303 2134
Email: engineer.en.emea@corning.com

DELL EMC

CORNING

Notes:

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

DELL EMC