

CORNING

# EDGE8<sup>®</sup> Solutions






## EDGE8® Solutions Introduction

Corning® ClearCurve® bend-optimised multimode and single-mode optical fibres are the core element of the system ensuring reliability when designing custom-engineered components thanks to its 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 centre, while the pre-terminated components reduce installation times and enable faster moves, adds, and changes (MACs).

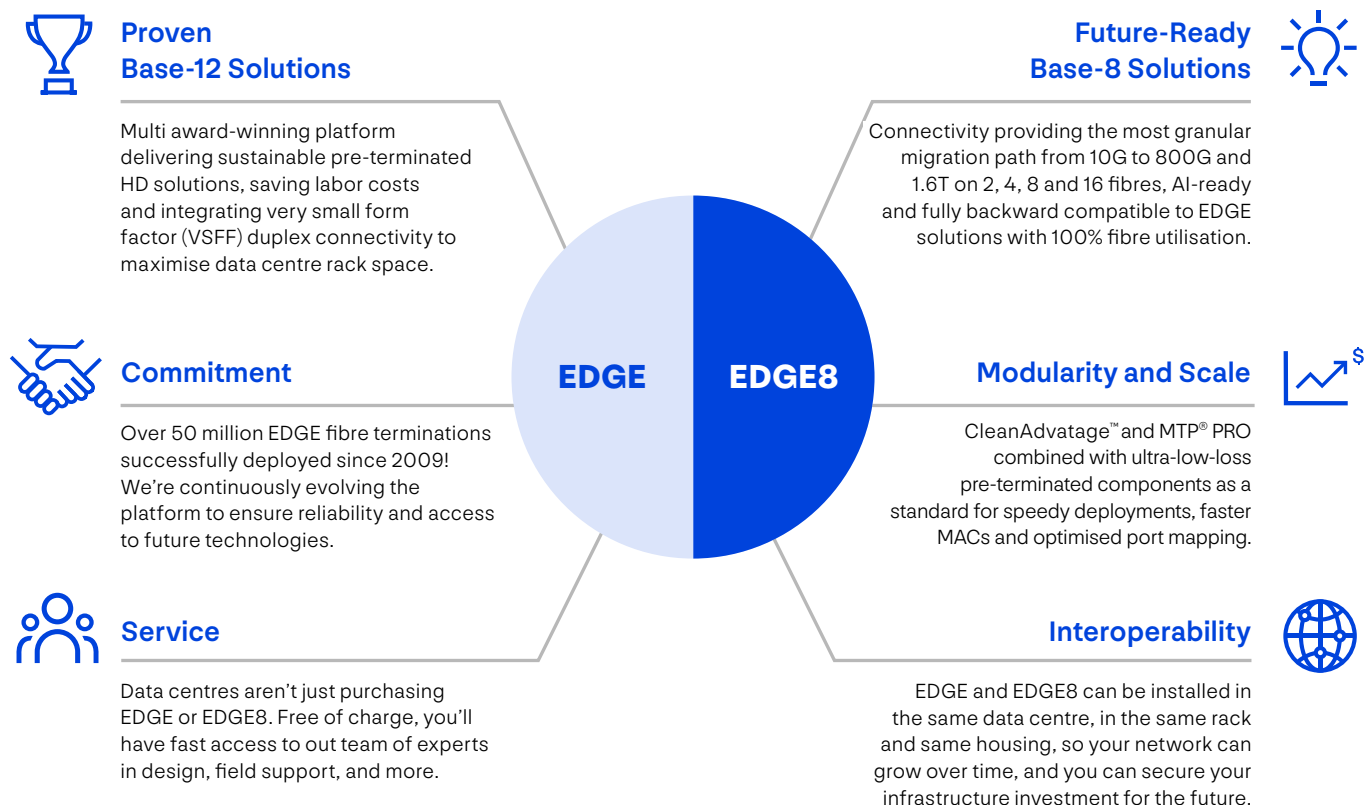
Our multi-award-winning EDGE™ solutions were the industry's first pre-terminated optical cabling systems specifically designed for the data centre environment. The value that EDGE provides to the industry continues to be proven. Density, network uptime, speed, simplicity, and a clear migration path to meet future requirements — EDGE addresses it all. However, switch and transceiver technology road maps indicate that transmission speeds ranging from 1G to 800G and beyond will be based on either 2-fibre (Base-2) or 8-fibre (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% fibre utilisation of a Base-8 design.

EDGE8 solutions strengthen your data centre in three key areas:

-  Increased asset utilisation with reduced patch cord complexity and the elimination of stranded cabling assets
-  Technology adoption due to 100% fibre utilisation — without the need for conversion modules — improving the link performance while reducing costs
-  Risk avoidance, providing a simple and clear path to 40G, 100G, 400G and 800G

All EDGE8 solutions products, except TAP modules, mesh modules, secure solutions and pre-terminated 24-fibre MTP® single-mode assemblies ("Y" harness, breakout harness, and 24-fibre patch cords), are manufactured with Corning® CleanAdvantage™ technology and shipped with an optimised dust cap design, eliminating the need for scoping and cleaning before the initial field connection.



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## EDGE8® Solutions Overview

EDGE8® solutions are Base-8, high-density pre-terminated optical cabling solutions designed to make your network future-ready and support 40G, 100G, 400G and 800G transmission requirements. With all the Corning EDGE™ solution benefits, EDGE8 offers superior network scalability and improved link performance.



EDGE8 Solutions | Photo REN7947

Features	Benefits
8-fibre MTP® connectors	Base-8 configuration allows for seamless migration to data rates of 800G and above.
Removable covers on the 1U and 2U housings	Provides easier access to modules and panels.
EDGE™ reverse polarity uniboot patch cords	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 connector & push-pull boot	Allows for pinning and polarity change in the field while enabling easier mating and unmating in extremely dense applications.
MTP assemblies with reduced footprint and cable OD	Improves airflow and reduces risk of downtime due to pinched or bent cables.
Corning® ClearCurve® fibre 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 optimised dust cap	Eliminates the need for scoping and cleaning prior to initial field connection.

\*Not applicable to APC

Connected Mated Pair – Ultra Low Loss		
	Insertion Loss, Maximum OM3/OM4/OM5	Insertion Loss, Maximum 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	Insertion Loss, Maximum OS2
Component Value	≤ 0.35 dB	≤ 0.60 dB

## EDGE™ Rear Access ODF

The 19-inch Corning Optical Distribution Frames (ODF) are optimised for high-density, cross-connect or interconnect applications. When fully loaded with EDGE™ 4U housings, the dual frame provides a total capacity of 5,760 LC duplex or 11,520 MTP® ports. When the single frame is used, it provides total capacity of 2,880 LC duplex or 5,760 MTP ports.

The frame has been designed with modular patch cord management plates and segmented hubs. A single 4-meter patch cord length allows patching from any port to any other port on the dual- or single-frame configuration. Gravity-managed slack storage ensures patch cords can be added or removed in less than 2 minutes when fully populated.

Additional accessories, like cable routing channels, front doors, back doors, and side panels are available to improve containment, aesthetics, cleanliness, and security.



EDGE™ Rear Access ODF Dual Frame | Photo REN9402

Features	Benefits
Quick-and-easy installation for 19-in housings	Easily scalable single or dual frames and cabinets. Flat packs can be quickly assembled by a single installer.
One patch cord for all cross-connect applications	A single 4-meter patch cord length allows patching from any port to any other port.
Cable and trunk strain-relief kits	Easy routing, dressing, and strain-relief for optical cables or pre-terminated trunks.
Accepts various 19-in housing types	Accommodates fully pre-terminated, semi-preconnectorised and splicing solutions, as well as pre-stubbed housings to simplify installation.
Cable entry on left/right or both sides	Allows flexibility of installation and access
Full protection with long doors & side walls and lock available	Helps to prevent unauthorised access



## EDGE™ Rear Access ODF



EDGE™ Rear Access ODF Dual  
Cabinet | Photo REN9402



EDGE Rear Access ODF Dual  
Frame | Photo REN9399



EDGE Rear Access ODF Single  
Cabinet | Photo REN9396



EDGE Rear Access ODF Single  
Frame | Photo REN9390

## Ordering Information

EDG - CAB   -R                

1
2
3
4
5
6
7
8

### 1 Select Cabinet Configuration.

Empty = Single  
2 = Double

### 2 Select Height.

22 = 2,200 mm  
7F = 7 feet

### 3 Select Width.

09 = 900 mm  
12 = 1,200 mm  
18 = 1,800 mm

### 4 Select Walls.

N = No side walls, no rear wall  
P = Rear hanging doors and side walls  
S = Side walls, only

### 5 Select Doors.

N = No doors  
G = Doors with acrylic glass window, with lock  
M = Doors, full metal, with lock

### 6 Select Cable Entry.

L = Cable entry on the left  
R = Cable entry on the right  
B = Cable entry on both sides, left & right (for 1,200 mm only)

### 7 Select Cabinet Pre-installation.

A = Pre-assembled for speedy deployment  
N = Flat packed, non assembled

### 8 Select bottom Channel option.

B = Bottom channel  
N = No bottom channel (closed bottom area)

Examples:

EDG-CAB-R2209NNLAB EDGE™ Single Frame H2200 x W900 x D600, left cable entry, no side walls, no doors, with bottom channel, pre-assembled

EDG-CAB2R2218PGRNB EDGE Dual Cabinet H2200 x W1800 x D600, both sides cable entry, with side walls, door with acrylic glass window, with bottom channel, flat-packed



Short Door for Single ODF | Photo REN3824



Long Door for Single ODF | Photo REN3834



Long Doors for Dual ODF | Photo REN3842

The EDGE™ cabinet door kits offer the best protection against unauthorised access to the patch areas of the cabinets. With hang and swing doors, there are different access options available to suit the environment. Long and short doors have a bottom channel function for easy routing of patch cords across cabinets in a row.

Available Options:

- 900 mm single cabinets
- 1,200 mm interconnect cabinets
- 1,800 mm dual cabinets

Ordering Information

CAB - DR

1

2

3

4

5

- 1

**Select frame height.**  
22 = 2,200 mm  
7F = 7 feet
- 2

**Select width.**  
09 = 900 mm  
12 = 1,200 mm  
18 = 1,800 mm
- 3

**Select door type.**  
H = Hanging door  
S = Swing door with look
- 4



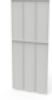






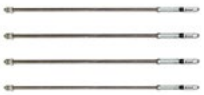

**Select door material.**  
M = Metal door with lock  
G = Acrylic glass door with look
- 5

**Select door length.**  
B = Short door\*  
N = Long door

\*Short door enables bottom channel access







## EDGE™ ODF Accessories (Continued)

Part Number	Product Description	Units per Delivery	
CAB-WL2206SB	Side Wall Kit for 2,200 mm cabinet, short	1/1	
CAB-WL2206SN	Side Wall Kit for 2,200 mm cabinet, long	1/1	
CAB-WL2209RN	Rear Wall Kit for cabinet 2,200 x 900 mm	1/1	
CAB-WL2212RN	Rear Wall Kit for cabinet 2,200 x 1,200 mm	1/1	
CAB2DR2218HMN	Hanging Door Set 2,200 mm, 3 x 600 mm, full length	1/1	
CAB-BG-19D	Adjustable Top Bridge for connecting of cabinet rows 128-190 cm	2/1	
OLM-CAB-F2206NNAB	Overlength Management Frame, 2,200 x 600 x 300 mm (H x W x D), no walls, no doors, bottom channel, top bridge interface, assembled	1/1	
CAB-FC	Screw Set for back-to-back or side-by-side cabinet connection	1/1	
CAB-MTWL	Cabinet Wall-Mounting Kit	1/1	
CAB-MTRF-00	Raised Floor-Mounting Kit – tile	1/1	
CAB-MTRF-05	Raised Floor-Mounting Kit – 0.5 m	1/1	
CAB-MTRF-12	Raised Floor-Mounting Kit – 1.2 m	1/1	



## EDGE™ ODF Accessories (Continued)

Part Number	Product Description	Units per Delivery	
CAB-SR-TRK	One Strain-Relief Bracket for trunk cable	1/1	
CAB-RF-03	EDGE ODF Cabinet Top Cable Entry plate	1/1	
CAB-DP-A4	Document Pocket for A4 paper	1/1	
CAB-HB	Routing Hub, Four Segments, One Cover, including coloured number sticker	1/1	
CAB-LB-S1210	Cabinet Labels, 12 x 1-10, coloured, small	1/1	
CAB-RF01	Brushes for patch cord area	1/1	

## EDGE8® Solutions 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.

EDGE8 HD housings' unique design includes 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-fibre-count trunks for faster moves, adds, and changes (MACs).

Labelling the housing couldn't be easier with a full-size mounting area inside the front door to display 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 REN610

## EDGE8® Solutions HD Housings



EDGE8-01U-SP | Photo REN445



EDGE8-01U-SP | Photo REN446



EDGE8-02U | Photo REN463



EDGE8-04U | Photo REN466

Features	Benefits
6-slot sliding drawers	Allow unprecedented finger access, easier patch cord/harness routing, and port identification.
Quick mounting system	Enables one-person installation and depth adjustment of the housing in the rack.
Integrated strain-relief plate can rotate 90 degrees	Makes it possible to install trunks through side or rear cable-entry points.
Removable top covers on the 1U and 2U housings	Provides easier access to modules and panels.
Total flexibility in the same HD housing	<ul style="list-style-type: none"> <li>- Accepts EDGE8® modules</li> <li>- Accepts EDGE8 port breakout modules</li> <li>- Accepts EDGE8 1x, 2x, and 4x MTP® adapter panels</li> <li>- Accepts EDGE8 port TAP modules</li> </ul>
High-port concentration with LC duplex and MTP Base-8 system	<ul style="list-style-type: none"> <li>- 1U EDGE8 Housing EDGE8-01U-SP 72x LC duplex ports (144 fibre) 72x MTP ports (576 fibre)</li> <li>- 2U EDGE8 Housing EDGE8-02U 144x LC duplex ports (288 fibre) 144x MTP ports (1152 fibre)</li> <li>- 4U EDGE8 Housing EDGE8-04U 288x LC duplex ports (576 fibre)</li> </ul>

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

When rear strain-relief plate is removed from part number EDGE8-01U-SP, product depth reduces to 14.9 in/37.8 cm.

For housing and trunk mounting accessories, please refer to the accessories section at the back of this brochure.

## Preloaded EDGE8® Housings

By preloading EDGE8® modules into the housings at the factory prior to shipping, Corning can offer reduced packaging, reduced shipping and storage space, as well as speed up the hardware mounting and installation time.



Preloaded EDGE8 Housings | Photo CRR6147

### Features and Benefits

Multiple preloaded housing configurations available: fully populated and half populated

Reduces installation time by up to 40%

Reduces plastic usage by more than 3 kg per 4U housing unit

Requires less storage space when compared to individual housings

Less packaging means fewer trips to the dumpster or recycling bin – saving valuable time on the jobsite

Preloaded with proven EDGE8 technology for fast, simple, and reliable installation

### Ordering Information

Housing	Fibre Type Module	Part Number	Description
EDGE8-01U	SM	E801-UM04E8G-06	EDGE8-01U with 6 single-mode modules
EDGE8-01U	SM	E801-UM04E8G-12	EDGE8-01U with 12 single-mode modules
EDGE8-01U	MM	E801-UM05E6Q-06	EDGE8-01U with 6 multimode modules
EDGE8-01U	MM	E801-UM05E6Q-12	EDGE8-01U with 12 multimode modules
EDGE8-01U-SP	SM	E81S-UM04E8G-09	EDGE8-01U-SP with 9 single-mode modules
EDGE8-01U-SP	SM	E81S-UM04E8G-18	EDGE8-01U-SP with 18 single-mode modules
EDGE8-01U-SP	MM	E81S-UM05E6Q-09	EDGE8-01U-SP with 9 multimode modules
EDGE8-01U-SP	MM	E81S-UM05E6Q-18	EDGE8-01U-SP with 18 multimode modules
EDGE8-02U	SM	E802-UM04E8G-18	EDGE8-02U with 18 single-mode modules
EDGE8-02U	SM	E802-UM04E8G-36	EDGE8-02U with 36 single-mode modules
EDGE8-02U	MM	E802-UM05E6Q-18	EDGE8-02U with 18 multimode modules
EDGE8-02U	MM	E802-UM05E6Q-36	EDGE8-02U with 36 multimode modules
EDGE8-04U	SM	E804-UM04E8G-36	EDGE8-04U with 36 single-mode modules
EDGE8-04U	SM	E804-UM04E8G-72	EDGE8-04U with 72 single-mode modules
EDGE8-04U	MM	E804-UM05E6Q-36	EDGE8-04U with 36 multimode modules
EDGE8-04U	MM	E804-UM05E6Q-72	EDGE8-04U with 72 multimode modules

## EDGE8® Solutions FX Housings

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

EDGE8 FX housings include a fixed, compact design providing module or panel deployment from the housing's front or rear. The integrated cable routing elements of the housing make real structured patch cord management possible while providing unprecedented finger access without the need for tools or any other accessories.

All EDGE8 FX housings come with integrated 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. The new quick-mount feature makes it 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-fibre-count trunks for faster moves, adds, and changes (MACs).

Labelling the housing couldn't be simpler – there is a full-size mounting area inside the front door for clear and concise information to be displayed. 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 FX Housings | Photo REN1188

## EDGE8® Solutions FX Housing

EDGE8® FX housings are available in 1U, 2U, and 4U sizes that mount in 19-inch racks or cabinets as well as two other housings that can mount in the floor. Combine these housings with the EDGE™ modules, panels, trunks, harnesses, and patch cords to experience an industry-leading solution. The reduced depth of the rack-mount housings allows for the back-to-back installation in 4-post racks or cabinets as well as third-party floor boxes.

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-EMOD	1U	432 x 107 x 44.5 mm (17 x 4.2 x 1.75 in)	534 x 201 x 138 mm (21 x 7.9 x 5.4 in)	1.14 kg (2.5 lb)	12
EDGE8-01U-EMOD-SP	1U	433 x 107 x 44.5 (17 x 4.2 x 1.75 in)	535 x 201 x 138 mm (21 x 7.9 x 5.4 in)	1.28kg (2.8 lb)	18
EDGE8-01U-FP	1U	488 x 439 x 43 mm (19.2 x 17.3 x 1.7 in)	584 x 470 x 152 mm (22.9 x 18.5 x 5.9 in)	4.4 kg (9.6 lb)	12
EDGE8-02U-FP	2U	432 x 434 x 89 mm (17 x 17.1 x 3.5 in)	569 x 346 x 229 mm (22.4 x 13.6 x 9 in)	6.4 kg (14 lb)	24
EDGE8-04U-FP	4U	432 x 434 x 178 mm (17 x 17.1 x 7 in)	567 x 346 x 320 mm (22.4 x 13.6 x 7.25 in)	9.6 kg (21 lb)	48
EDGE8-FZB-04U	-	527 x 527 x 241 mm (20.75 x 20.75 x 9.5 in)	656 x 643 x 356 mm (25.8 x 25.3 x 14 in)	17.8 kg (39 lb)	48
EDGE8-SMH	-	152 x 102 x 25 mm (6 x 4 x 1 in)	229 x 184 x 57 mm (9 x 7.25 x 2.25 in)	1 kg (3 lb)	1



EDGE8-01U-EMOD | Photo REN1454



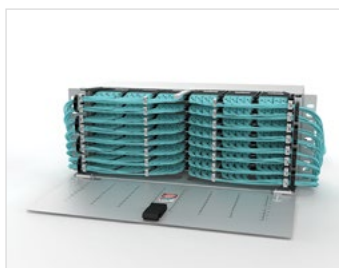
EDGE8-01U-EMOD-SP | Photo LAN9913



EDGE8-01U-FP | Photo REN1140



EDGE8-02U-FP | Photo REN1616



EDGE8-04U-FP Front | Photo REN1176



EDGE8-SMH | Photo REN1973



EDGE8-FZB-04U | Photo REN1545

For housing and trunk mounting accessories, please refer to the accessories section at the back of this brochure.

## EDGE8® Trunks

EDGE8® trunks are pre-terminated cables with ultra-low-loss 8-fibre MTP® connectors. Available in MTP-to-MTP or MTP-to-LC configurations, these trunks provide the backbone of the passive network infrastructure and enable rapid deployment for your campus LAN or data centre facility. All trunks are manufactured with Corning® CleanAdvantage™ technology and shipped with strain-relief clips, allowing for easy-and-quick tool-less installation in both EDGE8 solutions and Plug & Play™ systems housings.



EDGE8-02U Rear Side | Photo REN581



EDGE8 MTP to MTP Trunk | Photo REN7954



EDGE8 MTP to LC Hybrid Trunk | Photo REN7797

Features	Benefits
Snap-in strain-relief clips	Provides easier cable management.
Pinned MTP PRO connector & push-pull boot on both ends as standard configuration	Allows for pinning and polarity change in the field while enabling easier mating and unmating in extremely dense applications and a single pinless patch cord deployment in parallel optic electronics deployments.
Small outer diameter	Improves cable tray fill ratio and allows for improved airflow.
Low-loss connectivity	Enables system design flexibility.
Bend-improved fibre	Allows tighter cable bends for slack storage and routing, less risk of downtime due to pinched or bent cables.
Corning CleanAdvantage technology and optimised dust cap	Eliminates the need for scoping and cleaning prior to initial field connection.

For housing and trunk mounting accessories, please refer to the accessories section at the back of this brochure.





## Trunk Specifications

Mechanical Characteristics								
Fibre Count	Nominal Outer Diameter	Weight	Minimum Bend Radius – Installation	Minimum Bend Radius – Operation	Crush Resistance (Reversible)	Maximum Tensile Strength	Fire Load	Pulling Grip – Outer Diameter
8	4.5	20 kg/km	90	45	1000N/10 cm	450N	0.4 MJ/m	38 mm
16	7.2	41 kg/km	144	72	1000N/10 cm	450N	0.72 MJ/m	38 mm
24	7.2	41 kg/km	144	72	1000N/10 cm	450N	0.83 MJ/m	54 mm
32	8.3	56 kg/km	166	83	1000N/10 cm	450N	1.12 MJ/m	54 mm
48	8.3	60 kg/km	166	83	1000N/10 cm	660N	1.34 MJ/m	54 mm
72	11.3	83 kg/km	226	113	1000N/10 cm	660N	1.59 MJ/m	54 mm
96	11.3	90 kg/km	226	113	1000N/10 cm	660N	1.98 MJ/m	54 mm
144	13.5	146 kg/km	270	135	1000N/10 cm	660N	1.98 MJ/m	38 mm
192	15.2	186 kg/km	304	152	1000N/10 cm	660N	1.98 MJ/m	38 mm
288	17.6	235 kg/km	352	176	1000N/10 cm	660N	1.98 MJ/m	54 mm

Optical Performance Multimode				
Trunk	Reflectance Connector A	Reflectance Connector B	Maximum Insertion Loss Connector A	Maximum Insertion Loss Connector B
MTP®-MTP	≤ -20 dB	≤ -20 dB	≤ 0.25 dB	≤ 0.25 dB
MTP-LC Duplex Uniboot	≤ -20 dB	≤ -20 dB	≤ 0.25 dB	≤ 0.10 dB

Optical Performance Single-Mode				
Trunk	Reflectance Connector A	Reflectance Connector B	Maximum Insertion Loss Connector A	Maximum Insertion Loss Connector B
MTP-MTP	≤ -65 dB	≤ -65 dB	≤ 0.35 dB	≤ 0.35 dB
MTP-LC Duplex Uniboot	≤ -65 dB	≤ -35 dB	≤ 0.35 dB	≤ 0.25 dB

Note: Connector insertion-loss values are for reference as Corning tests the complete trunk including both MTP connectors.

## Trunk Shipping Information

Reel Capacities							
Packaging Method	Cardboard Box	Reel AA	Reel A	Reel B	Reel C	Reel Y	Reel T
Reel Flange (mm)	-	496	496	496	496	600	780
Reel Core (mm)	-	302	302	302	302	415	480
Reel Width (mm)	-	100	178	305	457	300	400
Fibre Count	No Pulling Grip Option — Z (m)						
8	2-30	30-500	500.5-900	-	-	900.5-999	-
16	2-30	30-200	200.5-350	350.5-600	600.5-670	670.5-999	-
24	2-30	30-200	200.5-350	350.5-600	600.5-670	670.5-999	-
32	2-30	30-150	150.5-265	265.5-450	450.5-500	500.5-999	-
48	2-30	30-150	150.5-265	265.5-450	450.5-500	500.5-999	-
72	2-30	-	-	-	-	60.5-399.5	510.5-999
96	2-30	-	-	-	-	60.5-299.5	480.5-999
Fibre Count	One Side Pulling Grip Option — G (m)						
8	2-30	30-200	200.5-400	400.5-700	700.5-900	900.5-999	-
16	2-30	30-90	90.5-160	160.5-280	280.5-420	420.5-999	-
24	2-30	30-90	90.5-160	160.5-280	280.5-420	420.5-999	-
32	2-30	-	30-120	120.5-200	200.5-300	300.5-999	-
48	2-30	-	30-120	120.5-200	200.5-300	300.5-999	-
72	2-30	-	-	-	-	-	400-999
96	2-30	-	-	-	-	-	300-999
Fibre Count	Both Sides Pulling Grip Option — D (m)						
8	2-30	-	30-400	400.5-700	700.5-900	900.5-999	-
16	2-30	-	30-160	160.5-280	280.5-420	420.5-999	-
24	2-30	-	30-160	160.5-280	280.5-420	420.5-999	-
32	2-30	-	30-120	120.5-200	200.5-300	300.5-999	-
48	2-30	-	30-120	120.5-200	200.5-300	300.5-999	-
72	2-30	-	-	-	-	60.5-399.5	400-999
96	2-30	-	-	-	-	60.5-399.5	300-999

## Trunk Shipping Information

Reel Capacities							
Packaging Method		Reel P1	Reel P2	Reel D	Wood Reel	Wood Reel	Reel NBN/HFC
Reel Flange (mm)		780	780	1150	600	1,042	1,150
Reel Core (mm)		180	360	350	410	807	726
Reel Width (mm)		650	650	800	1200	724	1,200
Fibre Count	Fibre Count Code	No Pulling Grip Option — Z (m)					
72	-	30-130	130.5-270	270.5-510	-	-	-
96	-	30-110	110.5-270	270.5-480	-	-	-
144	E4	2-55	55.5-160	160.5 -280	280.5-999	-	-
192	K2	2-45	45.5-125	125.5-220	220.5-300	300.5-600	600.5-999
288	U8	2-25	25.5-100	100.5-175	-	175.5-600	600.5-999
Fibre Count	Fibre Count Code	One Side Pulling Grip Option — G (m)					
72	-	-	30-60	-	-	-	-
96	-	-	30-60	-	-	-	-
144	E4	2-25	25.5-55	55.5-280	280.5-999	-	-
192	K2	2-20	20.5-50	50.5-220	220.5-300	300.5-600	600.5-999
288	U8	2-10	10.5-35	35.5-170	-	170.5-600	600.5-999
Fibre Count	Fibre Count Code	Both Sides Pulling Grip Option — D (m)					
72	-	-	30-60	-	-	-	-
96	-	-	30-60	-	-	-	-
144	E4	2-25	25.5 -55	55.5-280	280.5-999	-	-
192	K2	2-20	20.5-50	50.5-220	220.5-300	300.5-600	600.5-999
288	U8	2-10	10.5-35	35.5-170	-	170.5-600	600.5-999

EDGE8® MTP® trunks provide the backbone of the EDGE8 solution. With 8-fibre pinned MTP PRO connectors on both ends as a standard configuration, these trunks are designed to interface with the EDGE8 universal modules or adapter panels for parallel optic applications. All MTP trunks are manufactured with Corning® CleanAdvantage™ technology and shipped with strain-relief clips to allow easy tool-less installation. MTP trunk pulling grips can be pulled using up to 400N of pulling tension while providing complete protection for the connectors.



**EDGE8 8-Fibre MTP Trunks** | Photos REN7793 and REN7794

<div>□</div>	<div>□ □</div>	<div>□ □</div>	<div>□ □</div>	<div>□</div>	<div>LZ</div>	<div>□</div>	<div>□</div>	<div>□</div>	<div>□ □ □</div>	<div>M</div>
<div>1</div>	<div>2</div>	<div>3</div>	<div>4</div>	<div>5</div>	<div>6</div>	<div>7</div>	<div>8</div>	<div>9</div>	<div>10</div>	<div>11</div>

- 1 Select grip.**  
 G = Grip on first end only  
 D = Grip on both ends  
 Z = No grip
  - 2 Select MTP connector.**  
 (end one on outside of reel)  
 E2 = MTP 8F (pinned) multimode APC  
 E5 = MTP 8F (pinned) multimode  
 E6 = MTP 8F (non-pinned) multimode  
 E7 = MTP 8F (pinned) single-mode  
 E8 = MTP 8F (non-pinned) single-mode  
 E9 = MTP 8F (non-pinned) multimode APC  
 OO = Pigtail\*
  - 3 Select MTP connector.**  
 (end two on inside of reel)  
 E2 = MTP 8F (pinned) multimode APC  
 E5 = MTP 8F (pinned) multimode  
 E6 = MTP 8F (non-pinned) multimode  
 E7 = MTP 8F (pinned) single-mode  
 E8 = MTP 8F (non-pinned) single-mode  
 E9 = MTP 8F (non-pinned) multimode APC  
 OO = Pigtail (only available with  
*P = Type-A polarity*)
  - 4 Select standard fibre count.**  
 08 = 8 fibre      72 = 72 fibre  
 16 = 16 fibre      96 = 96 fibre  
 24 = 24 fibre      E4 = 144 fibre  
 32 = 32 fibre      K2 = 192 fibre  
 48 = 48 fibre      U8 = 288 fibre
  - 5 Select fibre type.**  
 T = 50 µm multimode (OM3)  
 Q = 50 µm multimode (OM4)  
 V = 50 µm wide band multimode (OM5)  
 G = Single-Mode Ultra (OS2)
  - 6 Defines cable type.**  
 LZ = LSZH™, non-armoured
  - 7 Select leg length.**  
 (end one on outside of reel)  
 D = 840 mm (+70/-0 mm)  
 O = Pigtail  
  
*Furcation legs are colour-coded by fibre type.*
  - 8 Select leg length.**  
 (end two on inside of reel)  
 D = 840 mm (+70/-0 mm)  
 O = Pigtail  
  
*Furcation legs are colour-coded by fibre type.*
  - 9 Select trunk type.**  
 U = Standard Type-B  
 P = Straight-through Type-A
  - 10 Select cable length.**  
 002-300 metres  
  
*(1 m increments measured from furcation to furcation plug)*  
  
*Longer cable lengths available upon request.*
  - 11 Defines unit of measure.**  
 M = Metres

*\*Available with no-pulling grip option and Type-A polarity only.*

*For OM4 heather violet, please add -VI at the end of the part number.*



# EDGE8® MTP® Extender Trunks

EDGE8® MTP® extender trunks provide additional distance for the backbone of the EDGE8 solution. With a non-pinned MTP PRO connector on one end, a pinned MTP connector on the other, and a TIA-568 Type-A polarity, these trunks are designed to interface with an EDGE8 solutions universal module and an EDGE8 MTP trunk. All extender trunks are manufactured with Corning® CleanAdvantage™ and shipped with strain-relief clips to allow easy tool-less installation.

MTP extender trunks are most often used in a zone distribution area (ZDA).



EDGE8 8-Fibre MTP Extender Trunks | Photos REN7954 and REN7953

## Ordering Information

1

2

3

4

5

LZ

6

D

7

C

8

X

9

10

M

11

**1 Select grip.**  
G = Grip on first end only  
Z = No grip

**2 Select MTP connector.**  
(end one on outside of reel)  
E2 = MTP 8F (pinned) multimode APC  
E5 = MTP 8F (pinned) multimode  
E7 = MTP 8F (pinned) single-mode

**3 Select MTP connector.**  
(end two on inside of reel)  
E6 = MTP 8F (non-pinned) multimode  
E8 = MTP 8F (non-pinned) single-mode  
E9 = MTP 8F (non-pinned) multimode APC

**4 Select standard fibre count.**  
08 = 8 fibre  
16 = 16 fibre  
24 = 24 fibre  
32 = 32 fibre  
48 = 48 fibre

**5 Select fibre type.**  
T = 50 µm multimode (OM3)  
Q = 50 µm multimode (OM4)  
V = 50 µm wide band multimode (OM5)  
G = Single-Mode Ultra (OS2)

**6 Defines cable type.**  
LZ = LSZH™, non-armoured

**7 Defines leg length.**  
(end one on outside of reel)  
D = 840 mm (+70/-0 mm)  
  
Mates with module/harness.

**8 Defines leg length.**  
(end two on inside of reel)  
C = 1500 mm (+70/-0 mm)  
  
Mates with trunk (long leg reaches from rear to the front side of housing)

**9 Defines trunk type.**  
X = Extender

**10 Select cable length.**  
002-300 metres  
  
(1 m increments measured from furcation to furcation plug)  
  
Longer cable lengths available upon request.

**11 Defines unit of measure.**  
M = Metres

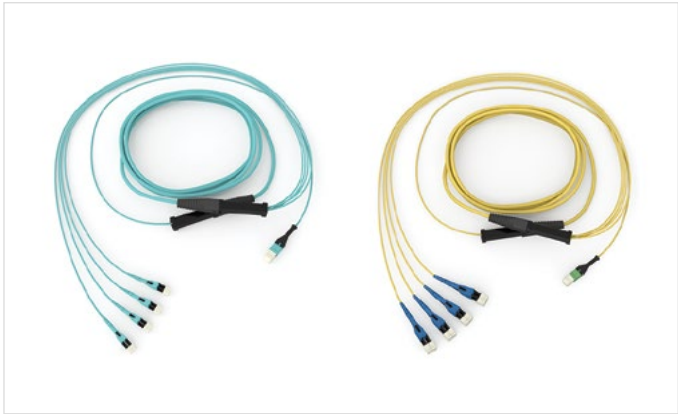
For OM4 heather violet, please add -VI at the end of the part number.

Corning Optical Communications

EDGE8® Solutions | LAN-2655-A4-BEN | Page 20

# EDGE8® Hybrid MTP® to LC Uniboot Trunks

EDGE8® MTP® to LC Uniboot hybrid trunks combine pinned MTP PRO connectors with push-pull boot, which connect to EDGE8 modules, and LC Uniboot connectors, which connect directly to the electronics. These trunks enable additional options for cabling of data centres. All hybrid trunks are manufactured with Corning® CleanAdvantage™ technology and shipped with strain-relief clips to allow easy tool-less installation.



EDGE8 Hybrid MTP to LC Uniboot Trunks | Photos REN7958 and REN7957

## Ordering Information

<div></div>	<div></div> <div></div>	<div></div> <div></div>	<div></div> <div></div>	<div></div>	LZ	D	<div></div>	W	<div></div> <div></div> <div></div>	M
1	2	3	4	5	6	7	8	9	10	11

- 1

**Select grip.**  
G = Grip on one end  
Z = No grip
- 2

**Select MTP connector.**  
(end one on outside of reel)  
E5 = MTP 8F (pinned) multimode  
E7 = MTP 8F (pinned) single-mode
- 3

**Select LC connector.**  
(end two on inside of reel)  
79 = LC Uniboot multimode  
78 = LC Uniboot single-mode
- 4

**Select fibre count.**  
08 = 8 fibre      48 = 48 fibre  
16 = 16 fibre     72 = 72 fibre  
24 = 24 fibre     96 = 96 fibre  
32 = 32 fibre     E4 = 144 fibre
- 5

**Select fibre type.**  
T = 50 µm multimode (OM3)  
Q = 50 µm multimode (OM4)  
V = 50 µm wide band multimode (OM5)  
G = Single-Mode Ultra (OS2)
- 6

**Defines cable type.**  
LZ = LSZH™, non-armoured
- 7

**Defines leg length.**  
(end one on outside of reel)  
D = 840 mm (+70/-0 mm)
- 8

**Select leg length.**  
(end two on inside of reel)  
J = 300 mm (+120/-0 mm)  
K = 600 mm (+120/-0 mm)  
L = 1000 mm (+120/-0 mm)  
M = 1200 mm (+120/-0 mm)  
N = 1500 mm (+120/-0 mm)  
Q = 2000 mm (+120/-0 mm)  
R = 2500 mm (+120/-0 mm)
- 9

**Defines trunk type.**  
W = Universal hybrid trunk
- 10

**Select cable length.**  
002-300 metres  
  
(1 m increments measured from  
furcation to furcation plug)  
  
Longer cable lengths available  
upon request.
- 11

**Defines unit of measure.**  
M = Metres

For OM4 heather violet, please add -VI at the end of the part number.



EDGE8® Hybrid MTP® to LC Uniboot  
Extender Trunks

EDGE8® MTP® to LC Uniboot hybrid extender trunks combine non-pinned MTP connectors, which connect to MTP Trunks, and LC Uniboot connectors, which connect directly to the electronics. These trunks enable additional options for cabling of data centres and are most often used in a zone distribution area (ZDA). All hybrid trunks are manufactured with Corning® CleanAdvantage™ technology and shipped with strain-relief clips to allow easy tool-less installation.



EDGE8 Hybrid MTP to LC Uniboot Extender Trunks | Photos REN7797 and REN7964

Ordering Information

<div></div>	<div></div> <div></div>	<div></div> <div></div>	<div></div> <div></div>	<div></div>	LZ	C	<div></div>	Z	<div></div> <div></div> <div></div>	M
1	2	3	4	5	6	7	8	9	10	11

- 1

**Select grip.**  
G = Grip on one end  
Z = No grip
- 2

**Select MTP connector.**  
(end one on outside of reel)  
E6 = MTP 8F (non-pinned) multimode  
E8 = MTP 8F (non-pinned) single-mode
- 3

**Select LC connector.**  
(end two on inside of reel)  
79 = LC Uniboot multimode  
78 = LC Uniboot single-mode
- 4

**Select fibre count.**  
08 = 8 fibre      48 = 48 fibre  
16 = 16 fibre     72 = 72 fibre  
24 = 24 fibre     96 = 96 fibre  
32 = 32 fibre     E4 = 144 fibre
- 5

**Select fibre type.**  
T = 50 µm multimode (OM3)  
Q = 50 µm multimode (OM4)  
V = 50 µm wide band multimode (OM5)  
G = Single-Mode Ultra (OS2)
- 6

**Defines cable type.**  
LZ = LSZH™, non-armoured
- 7

**Defines leg length.**  
(end one on outside of reel)  
C = 1500 mm (+70/-0 mm)
- 8

**Select leg length.**  
(end two on inside of reel)  
J = 300 mm (+120/-0 mm)  
K = 600 mm (+120/-0 mm)  
L = 1000 mm (+120/-0 mm)  
M = 1200 mm (+120/-0 mm)  
N = 1500 mm (+120/-0 mm)  
Q = 2000 mm (+120/-0 mm)  
R = 2500 mm (+120/-0 mm)
- 9

**Defines trunk type.**  
Z = Universal hybrid extender
- 10

**Select cable length.**  
002-300 metres  
*(1 m increments measured from furcation to furcation plug)*  
*Longer cable lengths available upon request.*
- 11

**Defines unit of measure.**  
M = Metres

For OM4 heather violet, please add -VI at the end of the part number.





# EDGE8® MTP® PRO Patch Cords

The EDGE8® 8-fibre MTP® patch cord allows for seamless migration to higher data rates in the data centre when used in conjunction with EDGE8 pinned trunks. This EDGE8 MTP assembly has the same connector size and cable footprint as duplex LC patch cords used today. The density, airflow, and cable management advantages of EDGE8 solutions are preserved as you migrate to higher data rates.

Assemblies are built utilizing MTP PRO connectors with push-pull boots. MTP PRO allows for a simple, one-step, colour-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 colour identification while maintaining product integrity and allowing for an easy mating/unmating in extremely dense applications.

The EDGE8 MTP patch cord is manufactured with Corning® CleanAdvantage™ technology and shipped with optimised dust caps, eliminating the need for cleaning and scoping prior to initial field connection.



EDGE8 MTP Patch Cords | Photos REN7928 and REN7927

## Ordering Information

J08EZ-NM

1

2

3

4

5

6

7

8

- 1

**Select MTP® PRO connector.**  
E2 = MTP 8F (pinned) multimode APC  
E5 = MTP 8F (pinned) multimode  
E6 = MTP 8F (non-pinned) multimode  
E7 = MTP 8F (pinned) single-mode  
E8 = MTP 8F (non-pinned) single-mode  
E9 = MTP 8F (non-pinned) multimode APC
- 2

**Select MTP PRO connector.**  
E2 = MTP 8F (pinned) multimode APC  
E5 = MTP 8F (pinned) multimode  
E6 = MTP 8F (non-pinned) multimode  
E7 = MTP 8F (pinned) single-mode  
E8 = MTP 8F (non-pinned) single-mode  
E9 = MTP 8F (non-pinned) multimode APC
- 3

**Select fibre type.**  
T = 50 µm multimode (OM3)  
Q = 50 µm multimode (OM4)  
V = 50 µm wide band multimode (OM5)  
G = Single-Mode Ultra (OS2)
- 4

**Defines cable type.**  
EZ = LSZH™, interconnect
- 5

**Defines patch cord.**  
N = Patch cord, no furcation
- 6

**Select polarity.**  
A = Type-A  
B = Type-B  
For patch cord polarity, reference [AEN156](#).
- 7

**Select cable length.**  
001-060 metres  
(Measured in 1 m increments)
- 8

**Defines unit of measure.**  
M = Metres

Non-pinned patch cords should be used to mate to pinned EDGE8 trunks.

For OM4 heather violet, please add -VI at the end of the part number.

Optical Performance		
Fibre Type	MTP Connector Insertion Loss	Reflectance
OM3/OM4/OM5	0.25 dB	≤ -20 dB
OS2	0.35 dB	≤ -65 dB

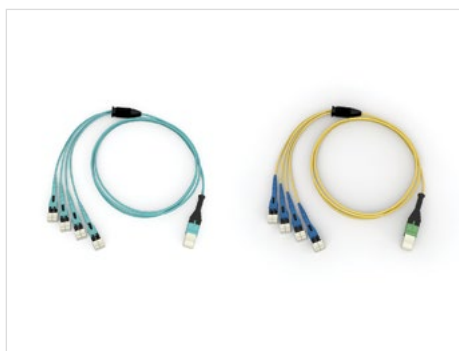


## EDGE8® Harnesses

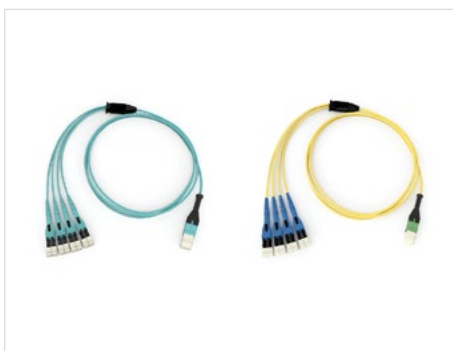
One of the critical challenges facing data centre owners, operators, and maintenance personnel in high-density (HD) computing areas is providing high-port concentration deployments to support the latest generation of high-speed switches without losing them under a mass of patch cords. All EDGE8® harnesses are manufactured with Corning® CleanAdvantage™ technology and an optimised dust cap, eliminating the need for scoping and cleaning prior to initial field connection.

An EDGE8 harness is an ultra-slim 8-fibre (2.0 mm) pre-terminated cable with an MTP® PRO connector on one end and four LC duplex Uniboot connectors on the other. The majority of the harness is a single cable which breaks out into four, 2-fibre legs to enable connectivity to the switch ports which are staggered to replicate the specific switch ports to save on excess cable length. MTP PRO with push-pull boot allows for a simple one-step, colour-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 colour identification while maintaining product integrity and allowing for an easy mating/unmating in extremely dense applications.

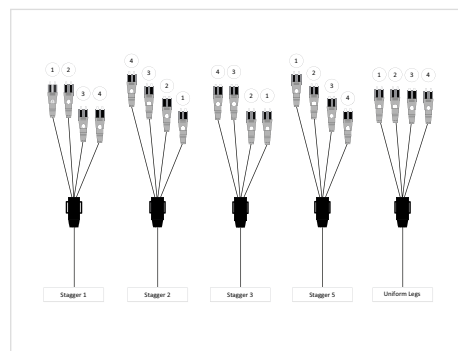
Specially designed harnesses are available for numerous distribution switches, including Cisco, Arista, Brocade, Juniper, and HP using SFP+ (LC interfaces) for Ethernet or Fibre Channel with duplex transmission for port-mirroring, aggregation, fabric, or breakout applications.



**EDGE8 Staggered Harness** | Photos REN7930 and REN7959



**EDGE8 Nonstaggered Harness** | Photos REN7931 and REN7956



**EDGE8 Staggered Harness Examples** | Photo ZA4253

Features	Benefits
Slim, round 2-fibre interconnect cable	Improves airflow and reduces congestion.
MTP PRO connector & push-pull boot	Allows for pinning and polarity change in the field while enabling easier mating and unmating in extremely dense applications.
Low-loss connectivity	Enables system design flexibility.
Bend-improved fibre	Allows tighter cable bends for slack storage and routing, less risk of downtime due to pinched or bent cables.
Corning CleanAdvantage technology and optimised dust cap	Eliminates the need for scoping and cleaning prior to initial field connection.

Optical Performance					
Harness	Fibre Type	Reflectance Connector A	Reflectance Connector B	Maximum Insertion Loss Connector A	Maximum Insertion Loss Connector B
MTP PRO-LC Duplex Uniboot	SM	≤ -65 dB	≤ -35 dB	≤ 0.35 dB	≤ 0.25 dB
	MM	≤ -20 dB	≤ -20 dB	≤ 0.25 dB	≤ 0.10 dB

# EDGE8® MTP® PRO to LC Uniboot Staggered Harnesses

EDGE8® MTP® to LC Uniboot staggered harnesses provide breakout from 8-fibre MTP PRO connectors to LC Uniboot connectors. These harnesses are available in five staggered configurations to meet various port replication needs.



EDGE8 Staggered Harness | Photo REN7930

## Ordering Information

H08LZ-M

1

2

3

4

5

6

7

8

- 1

**Select MTP PRO connector.**

E5 = MTP 8F (pinned) multimode  
E6 = MTP 8F (non-pinned) multimode  
E7 = MTP 8F (pinned) single-mode  
E8 = MTP 8F (non-pinned) single-mode
- 2

**Select the breakout connector type.**

79 = LC Uniboot multimode  
78 = LC Uniboot single-mode

LCs are universally wired.
- 3

**Select fibre type.**

T = 50 µm multimode (OM3)  
Q = 50 µm multimode (OM4)  
V = 50 µm wide band multimode (OM5)  
G = Single-Mode Ultra (OS2)
- 4

**Defines cable type.**

LZ = LSZH™, harness
- 5

**Select leg length in mm.**  
(leg OD is 2.0 mm).

1 = Type 1 Stagger  
2 = Type 2 Stagger  
3 = Type 3 Stagger  
4 = Type 4 Stagger (uniform)  
5 = Type 5 Stagger

**Uniform leg length is 150 mm.**  
**For longer lengths, please select from the following:**  
(leg OD is 2.0 mm)

J = 300 mm (+70/-0 mm)  
K = 600 mm (+70/-0 mm)  
L = 900 mm (+70/-0 mm)  
M = 1200 mm (+70/-0 mm)  
N = 1500 mm (+70/-0 mm)  
P = 1800 mm (+70/-0 mm)  
R = 2500 mm (+70/-0 mm)

*Furcation legs are colour coded by fibre type.*

*For harness stagger type, reference [AEN157](#).*
- 6

**Select harness polarity.**

A = Type-A  
B = Type-B

For harness polarity, reference [AEN156](#).
- 7

**Select cable length.**

001 - 006 metres–up to 6 m for staggered harnesses  
001 - 060 metres–up to 60 m for uniform harnesses

(1 m increments measured from plug to MTP, does not include LC stagger)
- 8

**Defines unit of measure.**

M = Metres

For OM4 heather violet, please add -VI at the end of the part number.

An EDGE8 harness should have **type-A polarity** and a **non-pinned MTP PRO** connector when connecting to a **trunk**.  
An EDGE8 harness should have **type-B polarity** and a **pinned MTP PRO** connector when connecting to a **module**.



# EDGE8® MTP® PRO to LC Uniboot Nonstaggered Harnesses

EDGE8® MTP® to LC Uniboot nonstaggered harnesses provide breakout from 8-fibre MTP PRO connectors to LC Uniboot connectors. These harnesses come with nonstaggered legs in several length options.



EDGE8 Nonstaggered Harness | Photo REN7931

## Ordering Information

H	<div><div></div><div></div></div>	<div><div></div><div></div></div>	08	<div><div></div></div>	LZ	-	<div><div></div></div>	<div><div></div></div>	<div><div></div><div></div><div></div></div>	M
	1	2	3	4	5	6	7	8		

- 1

**Select MTP PRO connector.**

E5 = MTP 8F (pinned) multimode  
E6 = MTP 8F (non-pinned) multimode  
E7 = MTP 8F (pinned) single-mode  
E8 = MTP 8F (non-pinned) single-mode
- 2

**Select the breakout connector type.**

79 = LC Uniboot multimode  
78 = LC Uniboot single-mode

*LCs are universally wired.*
- 3

**Select fibre type.**

T = 50 µm multimode (OM3)  
Q = 50 µm multimode (OM4)  
V = 50 µm wide band multimode (OM5)  
G = Single-Mode Ultra (OS2)
- 4

**Defines cable type.**

LZ = LSZH™, harness
- 5

**Select leg length in mm.**

(leg OD is 2.0 mm).  
J = 300 mm (+70/-0 mm)  
K = 600 mm (+70/-0 mm)  
L = 900 mm (+70/-0 mm)  
M = 1200 mm (+70/-0 mm)  
N = 1500 mm (+70/-0 mm)  
P = 1800 mm (+70/-0 mm)  
R = 2500 mm (+70/-0 mm)

*Furcation legs are colour-coded by fibre type.*
- 6

**Select harness polarity.**

A = Type-A  
B = Type-B

*For harness polarity, reference [AEN156](#).*
- 7

**Select cable length.**

001 - 006 metres—up to 6 m for staggered harnesses  
001 - 060 metres—up to 60 m for uniform harnesses

*(1 m increments measured from plug to MTP, does not include LC stagger)*
- 8

**Defines unit of measure.**

M = Metres

For OM4 heather violet, please add -VI at the end of the part number.

An EDGE8 **harness** should have **type-A polarity** and a **non-pinned MTP PRO** connector when connecting to a **trunk**.  
An EDGE8 **harness** should have **type-B polarity** and a **pinned MTP PRO** connector when connecting to a **module**.



# EDGE™ 24-Fibre MTP® Breakout Harnesses

EDGE™ solutions 24-fibre MTP® breakout harnesses provide conversion from 24- to 8-fibre connectivity. These harnesses breakout one 24-fibre MTP connector on one end to three 8-fibre MTP PRO connectors on the other, allowing for connectivity between the 24-fibre switch ports to three 8-fibre ports utilising a Base-8 infrastructure.

The MTP breakout harness is also available as a 20-fibre 1x10 assembly with one 24-fibre MTP connector on one end and 10x 2-fibre LC duplex connectors on the other.

Multimode 24-fibre breakout harnesses are manufactured with Corning® CleanAdvantage™ technology.



EDGE 24-Fibre MTP Breakout Harness | Photo REN7937

## Ordering Information

H

LZ

-

M

1

2

3

4

5

6

7

8

9

- 1

Select 24-fibre MTP connector.

A6 = MTP 24F (non-pinned) multimode

A9 = MTP 24F (non-pinned) single-mode
- 2

Select breakout connector.

05 = LC Duplex multimode

04 = LC Duplex single-mode

75 = MTP 12F (non-pinned) multimode

93 = MTP 12F (pinned) multimode

89 = MTP 12F (pinned) single-mode

90 = MTP 12F (non-pinned) single-mode
- 3

Select fibre count.

24 = 24 fibre

20 = 20 fibre

20 fibre only available for LC duplex breakout connectors
- 4

Select fibre type.

Q = 50 µm multimode (OM4)

G = Single-mode Ultra (OS2)
- 5

Defines cable type.

LZ = LSZH™, harness
- 6

Select leg length.

K = 600 mm

L = 900 mm
- 7

Select harness polarity.

A = Type-A polarity

B = Type-B polarity

For 24-fibre harness application and Base-8 cabling information, please refer to [AEN150](#) and [AEN156](#).
- 8

Select harness length.

001-060 m

(1 m increments measured from plug to MTP, does not include leg length)
- 9

Defines unit of measure.

M = Meters

# EDGE8® 16-Fibre MTP® Breakout Harnesses

EDGE8® solutions 16-fibre MTP® breakout harnesses provide conversion from 16- to 8-fibre connectivity. These harnesses breakout one 16-fibre MTP connector on one end to two 8-fibre MTP PRO connectors on the other, allowing for connectivity between the 16-fibre switch ports to two 8-fibre ports utilising a Base-8 infrastructure.



EDGE 16-Fibre MTP Breakout Harness

## Ordering Information

H16LZ-BM

1

2

3

4

5

6

7

8

9

- 1

Select 16-fibre MTP connector.

C3 = MTP 16F (non-pinned) multimode

C6 = MTP 16F (non-pinned) single-mode
- 2

Select breakout connector.

E6 = MTP 8F (non-pinned) multimode

E8 = MTP 8F (non-pinned) single-mode

E9 = MTP 8F (non-pinned) multimode APC
- 3

Defines fibre count.

16 = 16 fibres
- 4

Select fibre type.

G = Single-mode Ultra (OS2)

Q = 50 µm multimode (OM4)
- 5

Defines cable type.

LZ = LSZH™, harness
- 6

Select leg length.

K = 600 mm

L = 900 mm
- 7

Defines harness polarity.

B = Type-B polarity
- 8

Select harness length.

001-060 m

(1 m increments measured from plug to MTP, does not include leg length)
- 9

Defines unit of measure.

M = Meters

# EDGE8® Modules

EDGE8® modules provide the interface between the MTP® connector on the trunk and the LC duplex patch cords that connect directly into the electronics or as a cross-connect in the main distribution area (MDA). LC duplex adapters on EDGE8 modules feature hinged visual-fault-locator (VFL) compatible 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 after initial removal, exposing the interior end faces to dust particles and possible damage.

All EDGE8 modules can be installed from the front or the rear of any EDGE8 solutions housing using a simple release mechanism, eliminating the need for any tools. In addition, the shutters are VFL compatible to allow easy port identification while diffusing the VFL light to ensure adequate eye safety.



EDGE8 Modules | Photos REN7932 and REN6575

Features	Benefits
VFL-compatible shuttered LC adapters	Creates one-hand operation and decreases time needed to test and troubleshoot a link.
Front- and rear-loading capability	Decreases the time to prepare and install modules into fibre housings.
High density	Modules enable 576 fibres in a 4U housing and 144 fibres in a 1U housing.
Low-insertion-loss performance	Improved performance specs allow for more mated pairs and/or longer link distances.
Universal wiring	Decreases complexity and risks associated with managing polarity during moves, adds, and changes.
Corning® CleanAdvantage™ technology and optimised dust cap	Eliminates the need for scoping and cleaning prior to initial field connection.

Optical Performance				
	Connector Type	Module Insertion Loss, Maximum	Fibre Category	Adapter Colour Front
Multimode Modules	PC	≤ 0.35 dB	50 µm MM (OM4/OM5)	Aqua/Lime Green
Single-Mode Modules	UPC	≤ 0.60 dB	SM (OS2)	Blue





# EDGE8® MTP® to LC Duplex Module

EDGE8® modules provide an interface between 8-fibre MTP® connectors and LC duplex connectors. The internal wiring of the module is based on universal polarity to ensure the correct fibre polarity throughout the entire system, independent of how many modules are implemented within the link. Ultra-low-loss connectivity enables design flexibility to permit multiple potential connections within the system (e.g., 6-module link).

These modules breakout 8-fibre MTP terminations from the rear into 4x LC duplex connectivity at the front. The VFL-compatible shuttered adapters provide reliable dust protection without the need for dust caps and allow for easy fibre identification. All EDGE8 modules are manufactured with Corning® CleanAdvantage™ technology and an optimised MTP dust cap, eliminating the need for cleaning before initial field connection.

EDGE8 MTP to LC duplex modules are easily swappable with MTP panels to accommodate changing requirements while leaving the trunk cable infrastructure in place. This also supports migration to MTP ports for parallel optics.



EDGE8 MTP to LC Duplex Module | Photos REN6575 and REN7093

## Ordering Information

ECM8 -  08 -  -  - ULL

1

2

3

4

5

- 1

**Select polarity.**  
UM = Universal polarity  
RM = Straight-through
- 2

**Defines fibre count.**  
08 = 8 fibres
- 3

**Select adapters on module front.**  
05 = Shuttered LC duplex multimode  
04 = Shuttered LC UPC duplex single-mode  
18 = Shuttered LC APC duplex single-mode
- 4

**Select MTP adapter on the back of the module.**  
E6 = MTP 8F (non-pinned) multimode  
E8 = MTP 8F (non-pinned) single-mode
- 5

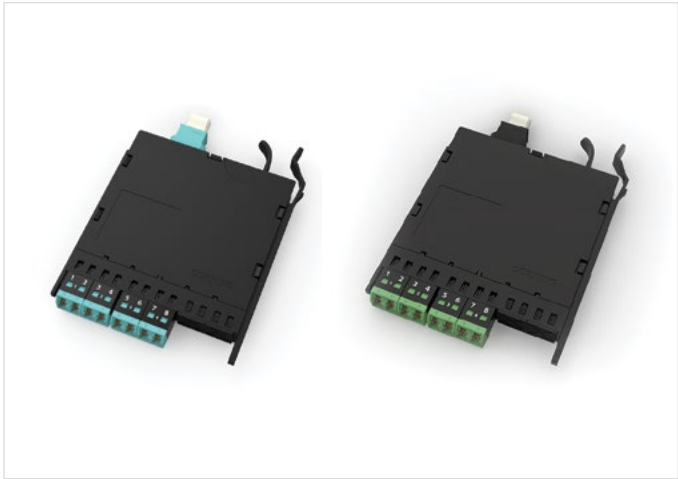
**Select fibre type.**  
Q = 50 µm multimode (OM4)  
V = 50 µm wide band multimode (OM5)  
G = Single-Mode Ultra (OS2)

Other options are available upon request. For OM4 heather violet, please add -VI at the end of the part number.



# EDGE™ Base-8 MTP® to LC Duplex Modules

The Base-8 MTP® to LC duplex module is an 8-fibre module in the standard EDGE™ module footprint. This solution is well suited for customers who want to migrate to an 8-fibre solution, while still utilizing an existing EDGE footprint. These modules breakout 8-fibre MTP terminations from the rear into 4x LC duplex connectivity at the front. They easily integrate into existing EDGE (Base-12) housings or hardware. The VFL-compatible shuttered adapters provide reliable dust protection without the need for dust caps and allow for easy fibre identification. All EDGE8® modules are manufactured with Corning® CleanAdvantage™ technology and an optimised MTP dust cap, eliminating the need for cleaning before initial field connection.



EDGE Base-8 MTP to LC Duplex Module | Photos REN6520 and REN7073

## Ordering Information

ECM12 -  08 -  -  - ULL

1

2

3

4

5

- 1

Select polarity.

UM = Universal polarity  
RM = Straight-through
- 2

Defines fibre count.

08 = 8 fibres
- 3

Select adapters on module front.

05 = Shuttered LC duplex multimode  
04 = Shuttered LC UPC duplex single-mode  
18 = Shuttered LC APC duplex single-mode
- 4

Select MTP adapter on the back of the module.

E6 = MTP 8F (non-pinned) multimode  
E8 = MTP 8F (non-pinned) single-mode
- 5

Select fibre type.

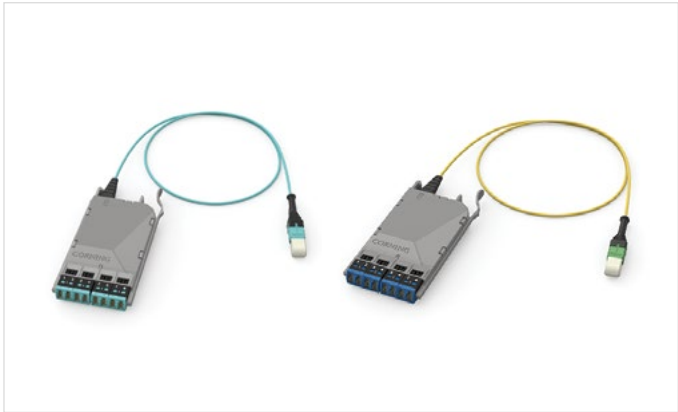
Q = 50 µm multimode (OM4)\*  
G = Single-Mode Ultra (OS2)

\*Compatible with wide band (OM5) solutions.  
Other pinning configurations available upon request.

# EDGE8® Port Breakout Modules

The EDGE8® port breakout module enables conversion from a single 4-channel parallel optic port (such as 40GSR4, QSFP) to a patch panel representation with four LC duplex ports for use in a main distribution area. Typically, the MTP® tail will connect to the active electronics and breakout the 8-fibre QSFP 40G transceiver into 4x 2-fibre 10G LC duplex connections.

These modules breakout 8-fibre MTP terminations from the rear into 4x LC duplex connectivity at the front. The VFL-compatible shuttered adapters provide reliable dust protection without the need for dust caps and allow for easy fibre identification. All EDGE8 modules are manufactured with Corning® CleanAdvantage™ technology and an optimised MTP dust cap, eliminating the need for cleaning before initial field connection.



EDGE8 Port Breakout Module | Photos REN7932 and REN7966

## Ordering Information

ECM8 -  -  EZ  -  M

1

2

3

4

5

6

7

- 1

**Select adapters on module front.**  
05 = Shuttered LC duplex multimode  
04 = Shuttered LC UPC duplex single-mode  
18 = Shuttered LC APC duplex single-mode  
*LCs are universally wired.*
- 2

**Select MTP adapter on the back of the module.**  
E5 = MTP 8F (pinned) multimode  
E6 = MTP 8F (non-pinned) multimode  
E7 = MTP 8F (pinned) single-mode  
E8 = MTP 8F (non-pinned) single-mode
- 3

**Select fibre type.**  
Q = 50 µm multimode (OM4)  
V = 50 µm wide band multimode (OM5)  
G = Single-Mode Ultra (OS2)
- 4

**Defines cable type.**  
EZ = LSZH™, interconnect
- 5

**Select polarity.**  
A = Type-A  
B = Type-B
- 6

**Select cable length.**  
001-025 metres  
*(1 m increments measured from furcation plug to furcation plug.)*
- 7

**Defines unit of measure.**  
M = Metres

Other options are available upon request. For OM4 heather violet, please add -VI at the end of the part number.

# EDGE8® Front-Access Breakout Modules

The EDGE8® front-access breakout module will typically connect to the active electronics via a patch cord or harness, and breakout the 8-fibre QSFP 40G transceiver into 4x 2-fibre 10G LC duplex connections. The module has an EDGE™ footprint for easy integration in a Base-12 solution. Its all-front access to the adapters is ideal for deployments where space and access are challenging.

These modules breakout 8-fibre MTP® terminations from the rear into 4x LC duplex connectivity at the front. The VFL-compatible shuttered adapters provide reliable dust protection without the need for dust caps and allow for easy fibre identification with VFL.

These modules are manufactured with Corning® CleanAdvantage™ technology and an optimised MTP dust cap, eliminating the need for cleaning before initial field connection.



EDGE8 Front-Access Breakout Module | Photos REN6578 and REN7087

## Ordering Information

ECM - UM08 -  -  F - ULL

1

2

3

- 1

**Select LC adapters.**  
05 = Shuttered LC duplex multimode  
04 = Shuttered LC duplex single-mode
- 2

**Select MTP adapter.**  
E5 = MTP 8F (pinned) multimode  
E6 = MTP 8F (non-pinned) multimode  
E7 = MTP 8F (pinned) single-mode  
E8 = MTP 8F (non-pinned) single-mode
- 3

**Select fibre type.**  
Q = 50 µm multimode (OM4)\*  
G = Single-Mode Ultra (OS2)

\*Compatible with wide band (OM5) solutions.  
For OM4 heather violet, please add -VI at the end of the part number.



## EDGE8® MTP® Adapter Panels

EDGE8® MTP® adapter panels are pass-through panels that provide a simple interface to mate MTP connectors. This occurs when connecting MTP trunks to MTP extended trunks or MTP trunks to harnesses or MTP patch cords. These MTP multi-fibre connectors provide data centres with the fastest and simplest installations for serial or parallel optic transmissions, with which data rates of 40G, 100G, 400G or 800G can be realised easily and safely, using existing hardware.



EDGE8 MTP Adapter Panel | Photo REN485

All EDGE8 adapter panels can be installed in all EDGE8 enclosures from the front or rear without the need for additional tools. They are available with one to four MTP adapters for multimode or single-mode applications. All panels feature unique shuttered MTP reversible adapters at the front of the panel for on-site changes to manage the field polarity. Visual fault locator (VFL) compatible shutters enable easy port identification while defusing the WFL light to ensure adequate eye safety.

### Features

Provide MTP connection points between trunks, harnesses, and patch cords

Can be installed or removed from the front or rear of a housing

MTP adapter panels facilitate simple upgrades to parallel optics

Enable pay-as-you-grow approach

Packaged in easy-open containers

Translucent shutters diffuse VFL light and eliminate the need for dust caps

Part Number	Adapter Type Back	Fibre Count	Fibre Category
EDGE8-CP08-V1	MTP	8	SM (OS2)
EDGE8-CP16-V1	MTP	16	SM (OS2)
EDGE8-CP24-V1	MTP	24	SM (OS2)
EDGE8-CP32-V1	MTP	32	SM (OS2)
EDGE8-CP08-V3	MTP	8	50 µm MM (OM3/OM4)
EDGE8-CP16-V3	MTP	16	50 µm MM (OM3/OM4)
EDGE8-CP24-V3	MTP	24	50 µm MM (OM3/OM4)
EDGE8-CP32-V3	MTP	32	50 µm MM (OM3/OM4)
EDGE8-CP08-VY	MTP	8	50 µm MM (OM5)
EDGE8-CP16-VY	MTP	16	50 µm MM (OM5)
EDGE8-CP24-VY	MTP	24	50 µm MM (OM5)
EDGE8-CP32-VY	MTP	32	50 µm MM (OM5)

For OM4 violet options, please contact Corning Customer Care at 00800 2676 4641 or [cc.emea@corning.com](mailto:cc.emea@corning.com).

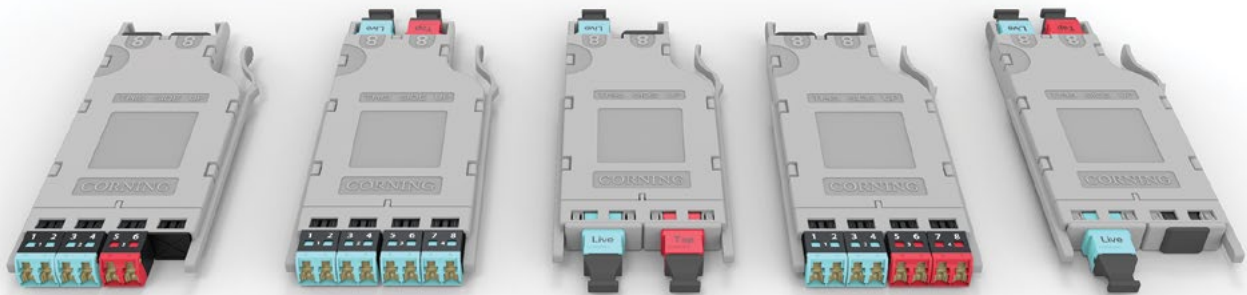
## EDGE8® TAP Modules

EDGE8® TAP modules enable passive optical tapping of the network while reducing downtime and link loss, increase rack space utilisation and density compared to other optical TAP options.

Unlike other passive optical TAP solutions that must be added as separate devices in the network link, EDGE8 TAP modules integrate the coupler technology for passive optical tapping into a structured cabling component – the module. Monitored ports can be added without disrupting the system's live traffic, and insertion loss in the link is required by the integration of the passive optical tapping into the module.

EDGE8 TAP modules use an advanced splitter technology for multimode to reduce insertion loss compared to traditional splitter technology.

EDGE8 TAP modules enable up to 72 monitor links per one rack unit (1U), they fit seamlessly into EDGE8 solutions hardware for maximum cable management and better utilisation of rack space.



EDGE8 TAP Modules - LC to LC; MTP® to LC; MTP to MTP; LC to LC; MTP to MTP | Photo REN3234

## EDGE8® LC to LC TAP Modules

EDGE8® TAP modules for traditional LC duplex systems enable customers to manage the monitoring access points via the patch cord infrastructure zone at the front of the cabinets.

EDGE8 LC-to-LC TAP modules have one LC duplex adapter for TAP and two duplex adapters for live traffic. EDGE8 BiDi TAP modules have two LC duplex adapters for TAP and two duplex adapters for live traffic. The TAP adapters are red and the live adapters are blue (for single-mode) or aqua (for multimode). The red LC adapter enables monitoring on the application side.



**EDGE8 LC to LC TAP Module**  
Photo REN3237



**EDGE8 BiDi TAP Module**  
Photo REN3221

Multimode		
Part Number	Description	# of Duplex Ports Monitored
ETM8-50A-Q	EDGE8 TAP Module LC-LC, 50/50 split ratio	1
ETM8-50A-Q-BD	EDGE8 TAP Module BiDi LC-LC, 50/50 split ratio, BiDi	1
ETM8-70A-Q-PREM	EDGE8 TAP Module Premium LC- LC, 70/30 split ratio	1
ETM9-80A-Q-PREM	EDGE8 TAP Module Premium LC-LC, 80/20 split ratio	1

Single-Mode		
Part Number	Description	# of Duplex Ports Monitored
ETM8-50A-G	EDGE8 TAP Module LC-LC, 50/50 split ratio	1
ETM8-70A-G	EDGE8 TAP Module LC-LC, 70/30 split ratio	1
ETM8-80A-G	EDGE8 TAP Module LC-LC, 80/20 split ratio	1
ETM8-90A-G	EDGE8 TAP Module LC-LC, 90/10 split ratio	1

Specifications							
Part Number	Fibre Type	Split Ratio	Splitter Loss (dB) Live/TAP	LC Connector Loss (dB)	MTP® Connector Loss (dB)	TAP Module's Live Link Loss (dB)	TAP Module's TAP Link Loss (dB)
ETM8-50A-Q	OM4	50/50	3.7/3.7	0.10	N/A	4.0	4.0
ETM8-50A-Q-BD	OM4	50/50	3.7/3.7	0.10	N/A	4.0	4.0
ETM8-70A-Q-PREM	OM4	70/30	1.8/1.8	0.10	N/A	2.1	6.1
ETM8-80A-Q-PREM	OM4	80/20	1.3/1.3	0.10	N/A	1.6	7.6
ETM8-50A-G	OS2	50/50	3.5/3.5	0.25	N/A	4.0	4.0
ETM8-70A-G	OS2	70/30	2.0/5.8	0.25	N/A	2.5	6.3
ETM8-80A-G	OS2	80/20	1.3/7.8	0.25	N/A	1.8	8.3
ETM8-90A-G	OS2	90/10	0.7/11.8	0.25	N/A	1.2	12.3



## EDGE8® MTP® to LC TAP Modules

EDGE8® MTP® to LC TAP modules have a “live” pinless MTP adapter (aqua for multimode; black for single-mode) and a “TAP” pinless MTP adapter (red) on the back of the module. This enables monitoring of the four live LC duplex ports on the application side.



EDGE8 MTP to LC Duplex TAP Module  
Photo REN3222



EDGE8 MTP to LC Duplex TAP Module  
Photo REN1527

Multimode		
Part Number	Description	# of Duplex Ports Monitored
ETM8-50B-Q	EDGE8 TAP Module MTP-LC, 50/50 split ratio	4
ETM8-70B-Q-PREM	EDGE8 TAP Module Premium MTP-LC, 70/30 split ratio	4
ETM8-80B-Q-PREM	EDGE8 TAP Module Premium MTP-LC, 80/20 split ratio	4

Single-Mode		
Part Number	Description	# of Duplex Ports Monitored
ETM8-50B-G	EDGE8 TAP Module MTP-LC, 50/50 split ratio	4
ETM8-70B-G	EDGE8 TAP Module MTP-LC, 70/30 split ratio	4
ETM8-80B-G	EDGE8 TAP Module MTP-LC, 80/20 split ratio	4
ETM8-90B-G	EDGE8 TAP Module MTP-LC, 90/10 split ratio	4

Specifications							
Part Number	Fibre Type	Split Ratio	Splitter Loss (dB) Live/TAP	LC Connector Loss (dB)	MTP Connector Loss (dB)	TAP Module's Live Link Loss (dB)	TAP Module's TAP Link Loss (dB)
ETM8-50B-Q	OM4	50/50	3.7/3.7	0.10	0.25	4.15	4.3
ETM8-70B-Q-PREM	OM4	70/30	1.8/5.8	0.10	0.25	2.2	6.3
ETM8-80B-Q-PREM	OM4	80/20	1.3/7.3	0.10	0.25	1.7	7.8
ETM8-50B-G	OS2	50/50	3.5/3.5	0.25	0.35	4.1	4.2
ETM8-70B-G	OS2	70/30	2.0/5.8	0.25	0.35	2.6	6.5
ETM8-80B-G	OS2	80/20	1.3/7.8	0.25	0.35	1.9	8.5
ETM8-90B-G	OS2	90/10	0.7/11.8	0.25	0.35	1.3	12.5

## EDGE8® MTP® to MTP TAP Modules

EDGE8® MTP® to MTP TAP modules provide an MTP interface at the front of the TAP module that can be used with a harness for LC breakout applications, or with MTP patch cords for parallel optic applications. The MTP monitoring port can be located at the front or rear of the TAP module.

The front-of-module configuration has pinless “TAP” (red) and pinned “live” (aqua for multimode, black for single-mode) MTP adapters on the front of the module and a pinless “live” (aqua for multimode, black for single-mode) MTP adapter on the rear of the module. This configuration enables simple patch management of the monitoring links via the patching zone at the front of the rack.

The back-of-module configuration has a pinned “live” MTP adapter (aqua for multimode; black for single-mode) on the front of the module and pinless “live” (aqua for multimode; black for single-mode) and “TAP” (red) MTP adapters on the rear of the module. This allows for remote monitoring away from the main data centre infrastructure.



**EDGE8 MTP to MTP TAP Module**  
Photo REN1528



**EDGE8 MTP to MTP TAP Module**  
Photo REN1629

Multimode			
Part Number	Description	# of Duplex Ports Monitored	# of MTP Ports Monitored
ETM8-50C-Q	EDGE8 TAP Module MTP-MTP, 50/50 split ratio	4	1
ETM8-50C-Q-R	EDGE8 TAP Module MTP-MTP, 50/50 split ratio, rear TAP	4	1
ETM8-70C-Q-PREM	EDGE8 TAP Module Premium MTP-MTP, 70/30 split ratio	4	1
ETM8-70C-Q-R-PREM	EDGE8 TAP Module Premium MTP-MTP, 70/30 split ratio, rear TAP	4	1
ETM8-80C-Q-PREM	EDGE8 TAP Module Premium MTP-MTP, 80/20 split ratio	4	1
ETM8-80C-Q-R-PREM	EDGE8 TAP Module Premium MTP-MTP, 80/20 split ratio, rear TAP	4	1

Single-Mode			
Part Number	Description	# of Duplex Ports Monitored	# of MTP Ports Monitored
ETM8-50C-G	EDGE8 TAP Module MTP-MTP, 50/50 split ratio	4	1
ETM8-50C-G-R	EDGE8 TAP Module MTP-MTP, 50/50 split ratio, rear TAP	4	1
ETM8-70C-G	EDGE8 TAP Module MTP-MTP, 70/30 split ratio	4	1
ETM8-70C-G-R	EDGE8 TAP Module MTP-MTP, 70/30 split ratio, rear TAP	4	1
ETM8-80C-G	EDGE8 TAP Module MTP-MTP, 80/20 split ratio	4	1
ETM8-80C-G-R	EDGE8 TAP Module MTP-MTP, 80/20 split ratio, rear TAP	4	1
ETM8-90C-G	EDGE8 TAP Module MTP-MTP, 90/10 split ratio	4	1
ETM8-90C-G-R	EDGE8 TAP Module MTP-MTP, 90/10 split ratio, rear TAP	4	1

## EDGE8® Solutions MTP® to MTP TAP Modules

Specifications						
Part Number	Fibre Type	Split Ratio	Splitter Loss (dB) Live/Tap	MTP Connector Loss (dB)	TAP Module's Live Link Loss (dB)	TAP Module's TAP Link Loss (dB)
ETM8-50C-Q	OM4	50/50	3.7/3.7	0.25	4.3	4.3
ETM8-50C-Q-R	OM4	50/50	3.7/3.7	0.25	4.3	4.3
ETM8-70C-Q-PREM	OM4	70/30	1.8/5.8	0.25	2.4	6.4
ETM8-70C-Q-R-PREM	OM4	70/30	1.8/5.8	0.25	2.4	6.4
ETM8-80C-Q-PREM	OM4	80/20	1.3/7.3	0.25	1.9	7.9
ETM8-80C-Q-R-PREM	OM4	80/20	1.3/7.3	0.25	1.9	7.9
ETM8-50C-G	OS2	50/50	3.5/3.5	0.35	4.2	4.2
ETM8-50C-G-R	OS2	50/50	3.5/3.5	0.35	4.2	4.2
ETM8-70C-G	OS2	70/30	2.0/5.8	0.35	2.7	6.5
ETM8-70C-G-R	OS2	70/30	2.0/5.8	0.35	2.7	6.5
ETM8-80C-G	OS2	80/20	1.3/7.8	0.35	2.0	8.5
ETM8-80C-G-R	OS2	80/20	1.3/7.8	0.35	2.0	8.5
ETM8-90C-G	OS2	90/10	0.7/11.8	0.35	1.4	12.5
ETM8-90C-G-R	OS2	90/10	0.7/11.8	0.35	1.4	12.5

# EDGE8® MTP® PRO to MTP PRO TAP Harness

EDGE8® MTP® PRO to MTP PRO TAP harness is used to break out the 8-fibre TAP port at the rear of the EDGE8 TAP module into two 4-fibre MTP connectors that plug into monitoring electronics.



EDGE8 MTP to MTP TAP Harness | Photos REN7926 and REN7965

## Ordering Information

H08LZ-HM

1

2

3

4

5

6

7

8

- 1

**Select MTP connector on first end. (to TAP module or panel)**

E5 = MTP 8F (pinned) multimode  
E6 = MTP 8F (non-pinned) multimode  
E7 = MTP 8F (pinned) single-mode  
E8 = MTP 8F (non-pinned) single-mode
- 2

**Select MTP connector on second end. (to electronics - each MTP connector has 4 fibres)**

E6 = MTP 8F (non-pinned) multimode  
E8 = MTP 8F (non-pinned) single-mode
- 3

**Select fibre type.**

Q = 50 µm multimode (OM4)  
V = 50 µm wide band multimode (OM5)  
G = Single-Mode Ultra (OS2)
- 4

**Defines cable type.**

LZ = LSZH™, harness
- 5

**Select leg length in mm.** (leg OD is 2.0 mm).

J = 300 mm (+70/-0 mm)  
K = 600 mm (+70/-0 mm)
- 6

**Defines harness polarity.**

H = Type-H
- 7

**Select cable length.**

001-060 metres  
(1 m increments measured from plug to MTP, does not include stagger.)
- 8

**Defines unit of measure.**

M = Metres

# EDGE8® MTP® PRO to LC TAP Harness

EDGE8® MTP® PRO to LC port TAP harness is used to break out the 8-fibre TAP port at the rear of the EDGE8 port TAP module into LC simplex connectors that plug into monitoring electronics.

MTP PRO with push-pull boot allows for pinning and polarity changes in the field while enabling easier mating/unmating in extreme dense applications.



EDGE8 MTP to LC TAP Harness | Photo REN7938

## Ordering Information

H	<div></div>	<div></div>	<div></div>	<div></div>	08	<div></div>	EZ	-	<div></div>	B	<div></div>	<div></div>	<div></div>	M
	1	2		3		4	5		6		7			

- 1

**Select MTP connector (from TAP module).**  
E5 = MTP 8F (pinned) multimode  
E6 = MTP 8F (non-pinned) multimode  
E7 = MTP 8F (pinned) single-mode  
E8 = MTP 8F (non-pinned) single-mode
- 2

**Select breakout connector type.**  
02 = LC simplex, single-mode  
03 = LC simplex, low-loss multimode
- 3

**Select fibre type.**  
Q = 50 µm multimode (OM4)  
V = 50 µm wide band multimode (OM5)  
G = Single-Mode Ultra (OS2)
- 4

**Select leg length in mm.**  
(leg OD is 2.0 mm).  
J = 300 mm (+70/-0 mm)  
K = 600 mm (+70/-0 mm)
- 5

**Defines harness polarity.**  
B = Type-B
- 6

**Select cable length.**  
001-060 metres  
(1 m increments measured from plug to MTP, does not include stagger.)
- 7

**Defines unit of measure.**  
M = Metres



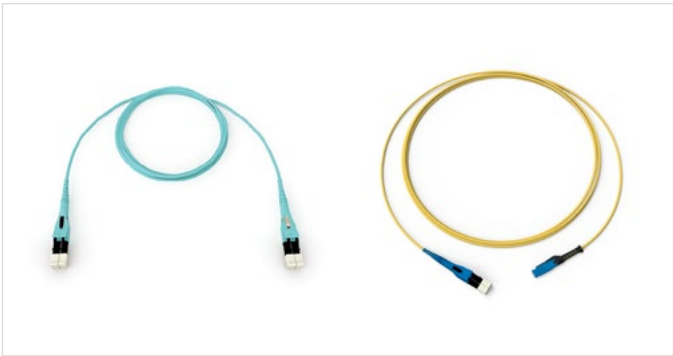
## Uniboot and Duplex Patch Cords

As the industry’s leading supplier of fibre, our state-of-the-art manufacturing process for cable assemblies ensures unsurpassed fibre and connector performance that meets and exceeds industry standards for connector reflectance and insertion loss. Low-loss connectivity enables system design flexibility for your application.

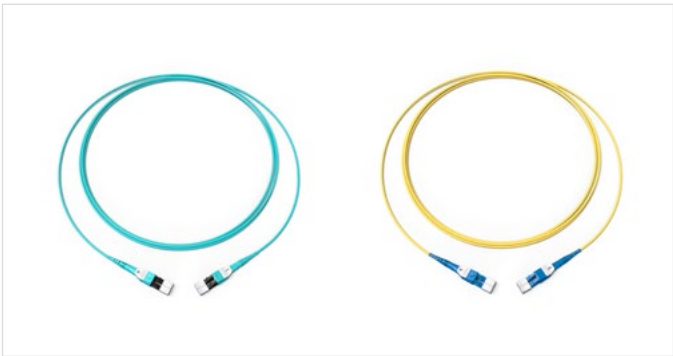
Reverse polarity LC Uniboot connectors allow for a quick-and-easy conversion of polarity and connector colour coding in the field without exposing the fibres or needing any tools. Manufactured with Corning® CleanAdvantage™ technology and shipped with optimised caps, they eliminate the need for cleaning and scoping prior to initial field connection.

Mini Duplex Connectors (MDC) offer reverse polarity by simply twisting the trigger, and a flexible push-pull boot allows easy finger access to plug/unplug connectors without the support of a connector clip or tool.

To integrate next-generation high-density transceivers with an SN (Senko Nano) footprint or legacy SC connectors into existing LC duplex based infrastructures, our EDGE™ patch cords include hybrid versions as well.



LC Uniboot and MDC Duplex | Photos REN6462 and REN8004



Lockable LC Uniboot | Photos REN7988 and REN7987

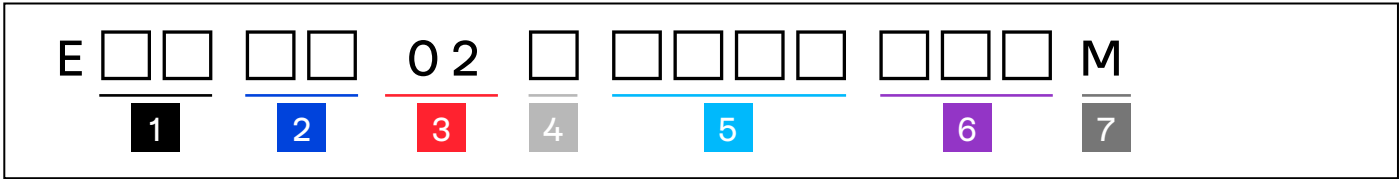
Features	
Slim, round 2-fibre interconnect cable.	
Uniboot-style duplex connectors.	
Improved handling in high-density applications.	
Patch cords with MDC connectivity enable up to 2x the density in EDGE8® footprint.	
Low-loss connectivity enables system design flexibility.	
Enabled by bend-insensitive Corning® ClearCurve® multimode or Corning® SMF-28e® Ultra single-mode fibres.	

Connector Specifications		
Connector Type	Maximum Insertion Loss	Maximum Reflectance
Multimode UPC	≤ 0.15 dB	≤ -40 dB
Single-mode UPC	≤ 0.25 dB	≤ -45 dB
Single-mode APC	≤ 0.25 dB	≤ -60 dB



# Uniboot and Duplex Patch Cords

## Ordering Information



- 1 Select connector one type.**
- 57 = SC Duplex multimode
  - 66 = SC APC Duplex single-mode
  - 72 = SC UPC Duplex single-mode
  - 78 = LC Uniboot UPC Duplex single-mode
  - 79 = LC Uniboot UPC Duplex multimode
  - 80 = LC Uniboot APC Duplex single-mode
  - MA = MDC APC single-mode
  - MU = MDC UPC single-mode
  - MM = MDC multimode
  - NA = SN APC single-mode
  - NU = SN UPC single-mode
  - PU = LC Uniboot Push-Pull UPC single-mode
  - U6 = LC Uniboot APC Lockable single-mode
  - U8 = LC Uniboot UPC Lockable single-mode
  - U9 = LC Uniboot Lockable multimode

- 2 Select connector two type.**
- See selection under 1.

- 3 Determines fibre count.**
- 02 = 2 fibres
- 4 Select fibre type.**
- T = ClearCurve Multimode OM3
  - Q = ClearCurve Multimode OM4
  - V = ClearCurve Multimode OM5
  - Wide Band Fibre
  - G = Corning® SMF-028® Ultra (OS2)

- 5 Select cable code based on desired construction.**
- NZ20 = 2.0 mm LSZH™, CRP Dca
  - NZ16 = 1.6 mm LSZH, CRP Dca\*

- 6 Select cable assembly, length.**
- 001-199
- 7 Defines unit of measure.**
- M = Metres

Additional configurations, lengths and jacket options are available upon request and can be viewed in our [EDGE™ 2-Fibre Patch Cords Family Specification](#).

\*For MDC and SN connectors, 1.6 mm is the default and recommended cable diameter.



# Reverse Polarity LC Uniboot Triggers

All reverse polarity LC duplex Uniboot connectors come with a removable trigger. We offer 12 different colour triggers to allow for network segmentation and link identification while providing easy polarity management.



EDGE™ Reverse Polarity Uniboot LC Duplex Triggers | Photo LAN2254

## Ordering Information

TRIGGER-BP-U-

1



**1 Select colour.**

- N = Blue
- E = Orange
- G = Green
- W = White
- C = Slate
- R = Red
- B = Black
- Y = Yellow
- V = Violet
- P = Rose
- A = Aqua
- K = Beige





Must order in multiples of 100.



## Cleaning Accessories






Part Number	Product Description	Units per Delivery	
CLEANER-PORT-LC	Single-Fibre Port Cleaner for LC, keyed LC, and MU connector end faces for both UP C and APC polishes	1/1	
2104466-01	Fibre Optic Cleaning Tool used to clean MTP® connector end faces as well as MTP connectors installed in a module	1/1	

## Housing Accessories

Part Number	Product Description	Units per Delivery	
EDGE-TRAY-QTY1	EDGE8® Hardware Accessory, EDGE8 tray kit, quantity of 1	1/1	
EDGE8-TRAY-QTY12	EDGE8 Hardware Accessory, EDGE8 tray kit, quantity of 12	12/1	
EDGE8-01U-SP-TRAY	EDGE8 hardware accessory, EDGE-01U tray kit, 12 pack, POS 01 to 03	1/1	
EDGE8-02U-TRAY	EDGE8 Hardware Accessory, EDGE8-02U tray kit, 12 pack, POS 01 to 06	1/1	
EDGE8-04U-TRAY	EDGE8 Hardware Accessory, EDGE8-04U tray kit, 12 pack, POS 01 to 12	1/1	
EDGE-BKT-WT-2RU	Wire Tray Mounting Bracket for up to 2U of housing mounting space	1/1	
EDGE-BKT-WT-4RU	Wire Tray Mounting Bracket for up to 4U of housing mounting space	1/1	

Housing Accessories			
Part Number	Product Description	Units per Delivery	
EDGE-BKT-LR-2RU	Ladder Rack Mounting Bracket for up to 2U of housing mounting space	1/1	
EDGE-BKT-LR-4RU	Ladder Rack Mounting Bracket for up to 4U of housing mounting space	1/1	
PC1-BKT-23	EDGE Extension and Flush-Mount Bracket for mounting 1U housings into 23-in racks or cabinets	1/1	
PC2-BKT-23	EDGE Extension and Flush-Mount Bracket for mounting 2U housings into 23-in racks or cabinets	1/1	
PC4-BKT-23	EDGE™ Solutions Mounting Bracket for mounting 4U housings into 23-in racks or cabinets	1/1	
EDGE-01U-FLSH-BKT	EDGE Extension and Flush-Mount Bracket for EDGE-01U	1/1	
EDGE8-01U-DOOR-FLPC-10	EDGE8 1U Kit of 10 label cards for front door including hook-and-loop closures	10/1	
EDGE8-02U-DOOR-FLPC-10	EDGE8 2U Kit of 10 label cards for front door including hook-and-loop closures	10/1	
EDGE8-04U-DOOR-FLPC-10	EDGE8 4U Kit of 10 label cards for front door including hook-and-loop closures	10/1	

Trunk Accessories			
Part Number	Product Description	Units per Delivery	
EDGE-CDF-RJ04-BKT	EDGE™ Solutions Strain-Relief Bracket, accommodating four EDGE solutions clip parking positions	1/1	
EDGE-CDF-RJ08-BKT	EDGE Solutions Strain-Relief Bracket, accommodating eight EDGE solutions clip parking positions	1/1	
EDGE-CDF-RJ12-BKT	EDGE Solutions Strain-Relief Bracket, accommodating 12 EDGE solutions clip parking positions	1/1	
CJP-01U-P	Pretium™ Patch Cord Management Panel 1U; provides patch cord management in a 1.75-in rack space	1/1	
CJP-02U-P	Pretium Patch Cord Management Panel 2U; provides patch cord management in a 3.5-in rack space	1/1	
EDGE8-CCHBKT-1	Bracket to hold one EDGE8® solutions module that fits into Plug & Play™ housings	1/1	
EDGE8-CCHBKT-2	Bracket to hold two EDGE8 solutions modules that fits into Plug & Play housings	1/1	
EDGE-EMOD-STRN	EDGE Solutions Strain-Relief Bracket, EMOD, 1U	1/1	

MTP® PRO Accessories			
Part Number	Product Description	Units per Delivery	
MTPPRO-TOOL	Field tool to perform pinning and polarity changes of MTP® PRO connectors	1/1	
MTPPRO-PEX-MME-NO PINS	MTP PRO Pin Exchanger Kit, SM MTP Elite, empty (without pins)	1/1	
MTPPRO-PEX-MME-PINS	MTP PRO Pin Exchanger Kit, MM MTP Elite, loaded (with pins)	1/1	
MTPPRO-PEX-SME-NO PINS	MTP PRO Pin Exchanger Kit, SM MTP Elite, empty (without pins)	1/1	
MTPPRO-PEX-SME-PINS	MTP PRO Pin Exchanger Kit, SM MTP Elite, loaded (with pins)	1/1	

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