EDGE8™ Solutions

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WINNER
2016
DCS AWARDS

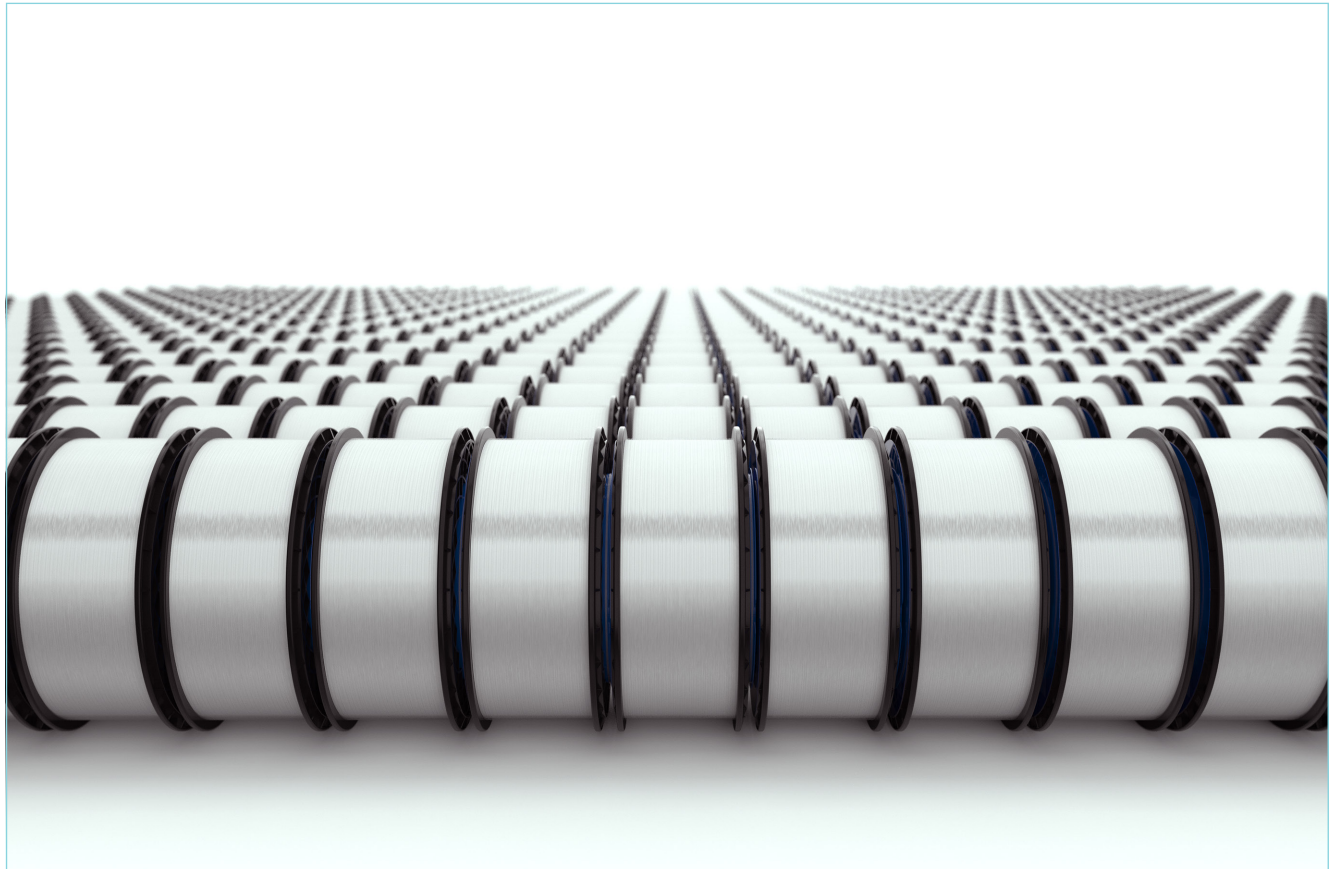# EDGE8™ Solutions

EDGE8™ Solutions Introduction

Corning® ClearCurve® bend-optimized multimode and SMF-28 single-mode optical fibers 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 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 roadmaps 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:
- increased 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

Notes

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Contents

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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

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Features and 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 1 U and 2 U housings
Provides easier access to modules and panels

Total flexibility in the same HD housing
- Accepts EDGE8™ modules
- Accepts EDGE8 port breakout modules
- Accepts EDGE8 1x, 2x, and 4x MTP® adapter panels
- Accepts EDGE8 port tap modules

High port concentration with LC Duplex and MTP Base-8 system
- 1 U EDGE8 Housing EDGE8-01U
  48x LC Duplex ports (96 fiber)
  48x MTP ports (384 fiber)
- 1 U EDGE8 Housing EDGE8-01U-SP
  72x LC Duplex ports (144 fiber)
  72x MTP ports (576 fiber)
- 2 U EDGE8 Housing EDGE8-02U
  144x LC Duplex ports (288 fiber)
  144x MTP ports (1152 fiber)
- 4 U EDGE8 Housing EDGE8-04U
  288x LC Duplex ports (576 fiber)
  288x MTP ports (2304 fiber)

EDGE8-01U
| Photo REN457

EDGE8-01U-SP
| Photo REN446

EDGE8-02U
| Photo REN463

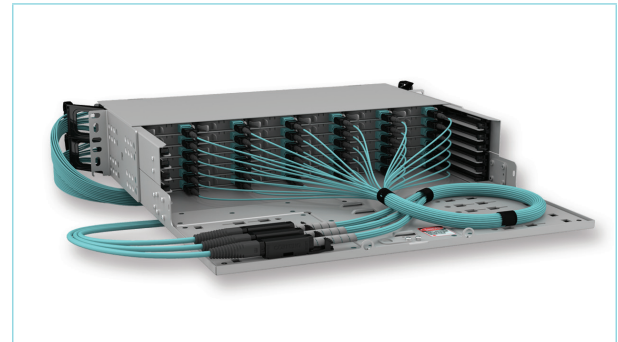**EDGE8-04U**
| Photo REN466

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Ordering Information

Part Number	Height	Dimensions (W x D	Packaging Dimensions (W	Shipping	Number of Panels per
EDGE8-01U	1U	432 mm x 561 mm x 44 mm	584 mm x 673 mm x 191 mm	6.8 kg (15 lb)	12
EDGE8-01U-SP	1U	432 mm x 561 mm x 44 mm	581 mm x 667 mm x 197 mm	8.2 kg (18 lb)	18
EDGE8-02U	2U	432 mm x 561 mm x 88 mm	578 mm x 667 mm x 241 mm	10.4 kg (23 lb)	36
EDGE8-04U	4U	432 mm x 561 mm x 177 mm	578 mm x 667 mm x 327 mm	16.5 kg (36 lb)	72

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

EDGE8™ Solutions

EDGE8™ Trunks

EDGE8 MTP® trunks are preterminated cables with ultra-low-loss 8-fiber MTP 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 both EDGE8 solutions and Plug & Play™ systems housings. These trunks conform to TIA-568 Type-B polarity.

EDGE8-02U Rack Mount Rear Side
| Photo REN581

Trunk Specifications

Mechanical Characteristics					
Fiber	Nominal Outer	Pulling Grip Outer	Weight	Min. Bend Radius	Min. Bend Radius
Non-Armored Cable Specifications					
8	5.0 mm (± 0.3 mm)	38 mm (1.5 in)	23.5 kg/km (15.8 lb/1000	75 mm (2.95 in)	25 mm (0.98 in)
16	7.0 mm (± 0.3 mm)	38 mm (1.5 in)	41.1 kg/km (27.6 lb/1000	105 mm (4.13 in)	35 mm (1.38 in)
24	7.0 mm (± 0.3 mm)	38 mm (1.5 in)	42.1 kg/km (28.3 lb/1000	105 mm (4.13 in)	35 mm (1.38 in)
32	8.1 mm (± 0.3 mm)	51 mm (2.0 in)	56.1 kg/km (37.7 lb/1000	121.5 mm (4.78 in)	40.5 mm (1.59 in)
48	8.1 mm (± 0.3 mm)	51 mm (2.0 in)	57.6 kg/km (38.7 lb/1000	121.5 mm (4.78 in)	40.5 mm (1.59 in)
72	10.2 mm (± 0.3 mm)	51 mm (2.0 in)	86.1 kg/km (57.9 lb/1000	153 mm (6.02 in)	51 mm (2.01 in)
96	10.2 mm (± 0.3 mm)	51 mm (2.0 in)	88.4 kg/km (59.4 lb/1000	153 mm (6.02 in)	51 mm (2.01 in)
144	12.5 mm (± 0.3 mm)	51 mm (2.0 in)	139.4 kg/km (93.7 lb/1000	187.5 mm (7.38 in)	62.5 mm (2.46 in)
192	16.0 mm (± 0.3 mm)	51 mm (2.0 in)	232.6 kg/km (156.3 lb/1000	240.0 mm (9.45 in)	80.0 mm (3.15 in)
288	22.9 mm (± 0.3 mm)	51 mm (2.0 in)	393.0 kg/km (264.1 lb/1000	343.5 mm (13.52 in)	114.5 mm (4.51 in)

Note: Plug size information: Fiber count 12-24 = Size 1 (h = 15 mm); Fiber count 36-144 = Size 2 (h = 20 mm).

EDGE8™ Solutions

Trunk Specifications

Mechanical Characteristics					
Fiber	Nominal Outer	Pulling Grip Outer	Weight	Min. Bend Radius	Min. Bend Radius
Armored Cable Specifications					
8	11.3 mm (± 0.3 mm)	51 mm (2.0 in)	102.6 kg/km (68.9 lb/1000	169.5 mm (6.67 in)	56.5 mm (2.22 in)
16	12.6 mm (± 0.3 mm)	51 mm (2.0 in)	130.9 kg/km (88.0 lb/1000	189 mm (7.44 in)	63 mm (2.48 in)
24	12.6 mm (± 0.3 mm)	38 mm (1.5 in)	131.6 kg/km (88.4 lb/1000	189 mm (7.44 in)	63 mm (2.48 in)
32	13.7 mm (± 0.3 mm)	51 mm (2.0 in)	154.4 kg/km (103.7 lb/1000	205.5 mm (8.09 in)	68.5 mm (2.7 in)
48	13.7 mm (± 0.3 mm)	51 mm (2.0 in)	155.9 kg/km (104.7 lb/1000	205.5 mm (8.09 in)	68.5 mm (2.7 in)
72	16.6 mm (± 0.3 mm)	51 mm (2.0 in)	207.7 kg/km (139.6 lb/1000	249 mm (9.8 in)	83.0 mm (3.27 in)
96	16.6 mm (± 0.3 mm)	51 mm (2.0 in)	210.0 kg/km (141.1 lb/1000	249 mm (9.8 in)	83 mm (3.27 in)
144	18.8 mm (± 0.3 mm)	51 mm (2.0 in)	278.6 kg/km (187.2 lb/1000	282.0 mm (11.1 in)	94.0 mm (3.7 in)
192	23.7 mm (± 0.3 mm)	76 mm (3.0 in)	421.4 kg/km (283.1 lb/1000	355.5 mm (14.0 in)	118.5 mm (4.67 in)
288	31.3 mm (± 0.3 mm)	76 mm (3.0 in)	646.6 kg/km (434.5 lb/1000	469.5 mm (18.48 in)	156.5 mm (6.16 in)

Note: Plug size information: Fiber count 12-24 = Size 1 (h = 15 mm); Fiber count 36-144 = Size 2 (h = 20 mm).

Optical Performance Multimode

	Reflectance Connector A	Reflectance Connector B	Max. Insertion Loss Connector A	Max. Insertion Loss Connector B	Operation
MTP® Trunks	≤ -20 dB	≤ -20 dB	≤ 0.25 dB	≤ 0.25 dB	-10 °C to 60 °C

Optical Performance Single-mode

	Reflectance Connector A	Reflectance Connector B	Max. Insertion Loss Connector A	Max. Insertion Loss Connector B	Operation
MTP Trunks	≤ -65 dB	≤ -65 dB	≤ 0.35 dB	≤ 0.35 dB	-10 °C to 60 °C

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

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Trunk Shipping Information

Reel Capacities - Non-Armored Cable Specifications

Packaging Method	Box E	Box H	Reel 1	Reel 2	Reel 3	Disposable Reel	Reel Q	Reel W
Packaging Material	Coiled cable	Coiled cable	Plastic reel	Plastic reel	Plastic reel	Plastic reel	Plywood reel	Plywood reel
Reel Diameter (in)			19.5	19.5	19.5	32	27	36
Reel Width (in)			5	10	16	19	36	32
Box Dimensions (in)	21x21x3.3	31x31.5x7	26x25.5x7	26x25.5x7	26x25.5x7			
Fiber Count	Maximum (ft)							
8	75	-	1200	2255	3500	-	7600	9289
16	75	-	600	1100	1800	-	3878	4739
24	75	-	600	1100	1800	-	3878	4739
32	75	-	550	1050	1700	-	2896	3539
48	75	-	550	1050	1700	-	2896	3539
72	75	-	300	600	999	-	1826	2232
96	75	-	300	600	999	-	1826	2232
144	75	-	200	400	700	-	1216	1486
192	-	66	-	-	-	850	1262	2100
288	-	66	-	-	-	460	616	1000

Note: Trunks under 75 ft are packaged in a cardboard box and not on a reel.

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Reel Capacities - Armored Cable Specifications

Packaging Method	Box E	Box H	Reel 1	Reel 2	Reel 3	Disposable Reel	Reel Q	Reel W
Packaging Material	Coiled cable	Coiled cable	Plastic reel	Plastic reel	Plastic reel	Plastic reel	Plywood reel	Plywood reel
Reel Diameter (in)			19.5	19.5	19.5	32	27	36
Reel Width (in)			5	10	16	19	36	32
Box Dimensions (in)	21x21x3.3	31x31.5x7	26x25.5x7	26x25.5x7	26x25.5x7			
Fiber Count	Maximum (ft)							
8	-	50	-	-	-	2000	4700	-
16	-	50	-	-	-	1500	3800	-
24	-	50	-	-	-	1500	3800	-
32	-	50	-	-	-	1500	3200	-
48	-	50	-	-	-	1500	3200	-
72	-	50	-	-	-	1200	2200	-
96	-	50	-	-	-	1200	2200	-
144	-	50	-	-	-	650	1700	-
192	-	50	-	-	-	500	1000	-
288	-	50	-	-	-	265	600	-

Note: Trunks under 75 ft are packaged in a cardboard box and not on a reel.

EDGE8™ Solutions

EDGE8™ MTP® Trunks

EDGE8 MTP trunks utilize an 8-fiber push/pull optical connector that is pinned on both ends of the cable. These trunks are designed to interface with the EDGE8 universal modules or adapter panels for parallel optic applications. The trunks are shipped with strain-relief clips that allow for tool-less installation in EDGE8 housings. The grip can be pulled using up to 100 lbs of pulling tension while providing complete protection for the connectors.
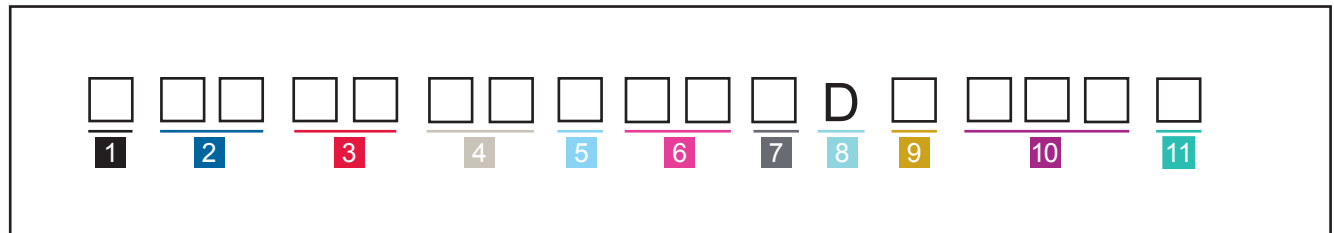
Features

- Low-loss connectivity enables system design flexibility

- Enabled by bend-insensitive Corning® multimode or single-mode fibers

- Features slim round 8-fiber legs

- Tool-less installation with EDGE™ mounting clips
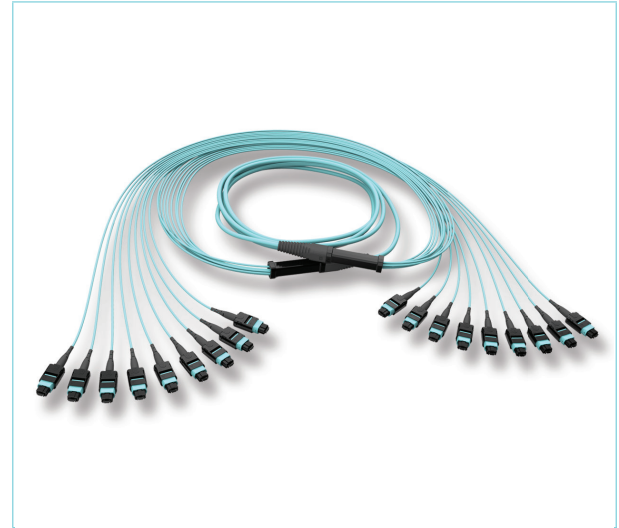
EDGE8 72F MTP Trunk
| Photo REN502

Ordering Information

□ □□ □□ □□□□□ D □ □□□ □
1 2   3   4 5 6 7 8 9 10 11

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).

E5 = MTP 8F (pinned) MM
E6 = MTP 8F (non-pinned) MM
E7 = MTP 8F (pinned) SM
E8 = MTP 8F (non-pinned) SM
00 = Pigtail *(only available with P= Straight-through polarity)*

3 Select MTP connector (end two on inside of reel).

E5 = MTP 8F (pinned) MM
E6 = MTP 8F (non-pinned) MM
E7 = MTP 8F (pinned) SM
E8 = MTP 8F (non-pinned) SM

4 Select standard fiber count.

08 = 8 fiber   72 = 72 fiber
16 = 16 fiber   96 = 96 fiber
24 = 24 fiber   E4 = 144 fiber
32 = 32 fiber   K2 = 192 fiber
48 = 48 fiber   U8 = 288 fiber

5 Select fiber type.

T = 50 µm multimode (OM3)
Q = 50 µm multimode (OM4)
V = 50 µm wideband multimode (OM5)
G = Single-mode Ultra (OS2)

6 Select cable type.

PN = Plenum, non-armored
AD = Plenum, BX armored

7 Select leg length (end one on outside of reel).

D = 33 in (+3/-0 in)
0 = Pigtail
Furcation legs are color-coded by fiber type.

8 Defines leg length (end two on inside of reel).

D = 33 in (+3/-0 in)
Furcation legs are color-coded by fiber type.

9 Select trunk type.

U = Standard Universal Type-B
P = Straight-through Type-A

10 Select cable length.

005-999 feet
(1 ft increments measured from furcation plug to furcation plug)

002-300 meters
(1 mt increments measured from furcation plug to furcation plug)

11 Select unit of measure.

F = Feet
M = Meters

EDGE8™ Solutions

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EDGE8™ MTP® Extender Trunks

EDGE8 MTP extender trunks provide additional distance for the backbone of the EDGE8 solution. With a non-pinned MTP connector on one end of the cable, a pinned MTP connector on the other end, 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 trunks are shipped with strain-relief clips that allow for the tool-less installation in EDGE8 solutions systems housings. MTP extender trunks are most often used in a Zone Distribution Area (ZDA).

EDGE8 24F MTP Extender Trunk
| Photo REN393

Features

- Low-loss connectivity enables system design flexibility

- Enabled by bend-insensitive Corning® multimode or single-mode fibers

- Features slim round 8-fiber legs

- Tool-less installation with EDGE™ mounting clips

Ordering Information

☐ ☐☐ ☐☐ ☐☐☐ ☐☐ **D C X** ☐☐☐ ☐
1 **2** **3** **4** **5** **6** **7 8 9** **10** **11**
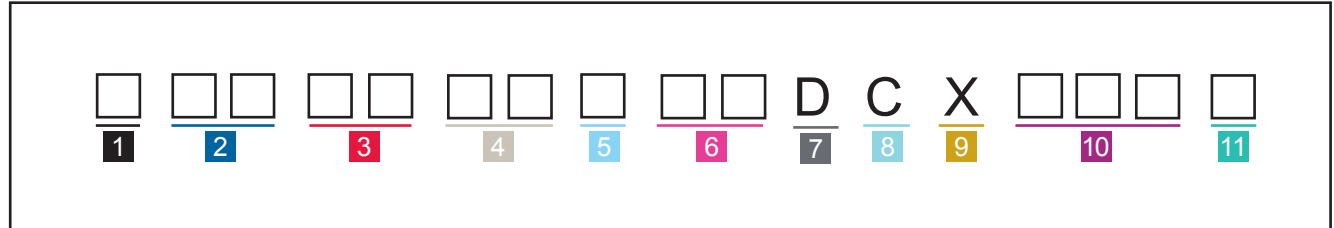
1 Select grip.

G = Grip on first end only
Z = No grip

2 Select MTP connector
(end one on outside of reel).

E5 = MTP 8F (pinned) MM
E7 = MTP 8F (pinned) SM

3 Select MTP connector
(end two on intside of reel).

E6 = MTP 8F (non-pinned) MM
E8 = MTP 8F (non-pinned) SM

4 Select standard fiber count.

08 = 8 fiber	72 = 72 fiber
16 = 16 fiber	96 = 96 fiber
24 = 24 fiber	E4 = 144 fiber
32 = 32 fiber	K2 = 192 fiber
48 = 48 fiber	U8 = 288 fiber

5 Select fiber type.

T = 50 µm multimode (OM3)
Q = 50 µm multimode (OM4)
V = 50 µm wideband multimode (OM5)
G = Single-mode Ultra (OS2)

6 Select cable type.

PN = Plenum, non-armored
AD = Plenum, BX armored

7 Defines leg length
(end one on outside of reel).

D = 33 in (+3/-0 in)
Mates with module/harness.

8 Defines leg length
(end two on inside of reel).

C = 60 in (+3/-0 in)
Mates with trunk (long leg reaches from rear to the front side of housing).

9 Defines trunk type.

X = Universal extender

10 Select cable length.
005-999 feet
(1 ft increments measured from furcation plug to furcation plug)

002-300 meters
(1 mt increments measured from furcation plug to furcation plug)

11 Select unit of measure.

F = Feet
M = Meters
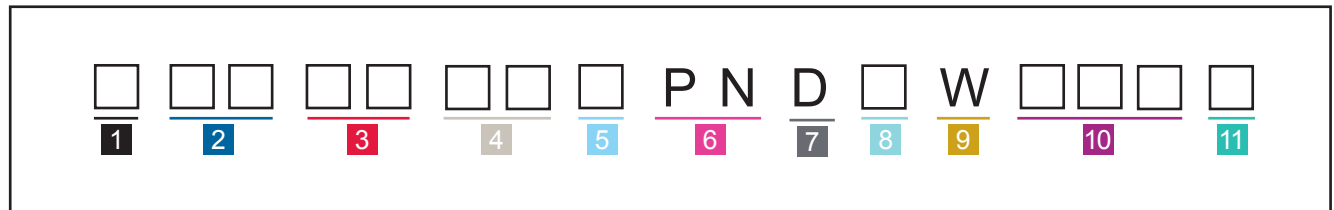
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EDGE8™ Solutions

Hybrid MTP® to LC Duplex Uniboot Trunks

EDGE8™ Hybrid MTP to LC duplex uniboot trunks combine pinned MTP connectors that connect to EDGE8 modules and duplex uniboot LC connectors that connect directly to the electronics, enabling more options for the cabling of data centers.

EDGE8 Hybrid MTP to LC Duplex Uniboot Trunk | Photo LAN9328

Ordering Information

☐ ☐☐ ☐☐ ☐☐ ☐ P N D ☐ W ☐☐☐ ☐
1   2   3   4   5   6   7   8   9   10   11

1 Select grip.

G = Grip on one end
Z = No grips

2 Select MTP connector
(end one on outside of reel).

E5 = MTP 8F (pinned) MM
E7 = MTP 8F (pinned) SM

3 Select LC connector
(end two on inside of reel).

79 = LC Uniboot, low-loss MM
78 = LC Uniboot SM

4 Select fiber count.

08 = 8 fiber	48 = 48 fiber
16 = 16 fiber	72 = 72 fiber
24 = 24 fiber	96 = 96 fiber
32 = 32 fiber	E4 = 144 fiber

5 Select fiber type.

T = 50 µm multimode (OM3)
Q = 50 µm multimode (OM4)
V = 50 µm wideband multimode (OM5)
G = Single-mode Ultra (OS2)

6 Defines cable type.

PN = Plenum, non-armored

7 Defines leg length
(end one or outside of reel).

D = 33 in (+3/-0 in)
Mates with module/harness.

8 Select leg length
(end two or inside of reel).

J = 12 in (+3/-0 in)
K = 24 in (+3/-0 in)
L = 36 in (+3/-0 in) (standard)
M = 48 in (+3/-0 in)
N = 60 in (+3/-0 in)
P = 72 in (+3/-0 in)

9 Defines trunk type.

W = Universal hybrid connector base trunk

10 Select cable length.

005-999 feet
1 ft increments measured from furcation plug to furcation plug.

002-300 meters
1 mt increments measured from furcation plug to furcation plug.

11 Select unit of measure.
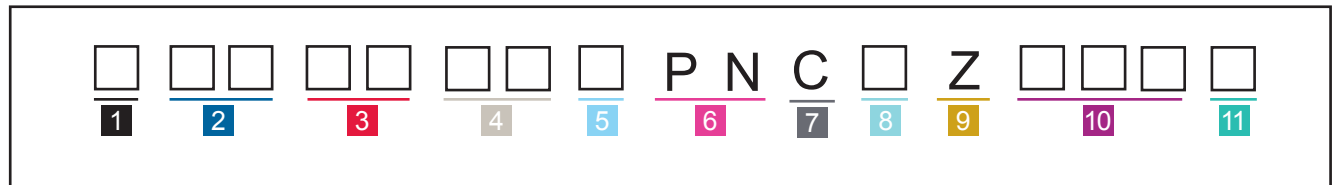
F = Feet
M = Meters

EDGE8™ Solutions

Hybrid MTP® to LC Duplex Uniboot Extender Trunks

EDGE8™ hybrid MTP to LC duplex uniboot trunks combine pinned MTP connectors that connect into MTP trunks and duplex uniboot LC connectors that connect directly into the electronics providing more options for the cabling of data centers. These hybrid extender trunks are most often used in a zone distribution area (ZDA).

EDGE8 Hybrid MTP to LC Duplex Uniboot Trunk
| Photo LAN9328

Ordering Information

☐ ☐☐ ☐☐ ☐☐ ☐ P N C ☐ Z ☐☐☐ ☐
1   2   3   4   5   6   7 8 9 10   11

1 Select grip.

G = Grip on one end
Z = No grips

2 Select MTP connector (end one on outside of reel).

E6 = MTP 8F (non-pinned) MM
E8 = MTP 8F (non-pinned) SM

3 Select LC connector (end two on inside of reel).

79 = LC Uniboot, low-loss MM
78 = LC Uniboot SM

4 Select fiber count.

08 = 8 fiber	48 = 48 fiber
16 = 16 fiber	72 = 72 fiber
24 = 24 fiber	96 = 96 fiber
32 = 32 fiber	E4 = 144 fiber

5 Select fiber type.

T = 50 µm multimode (OM3)
Q = 50 µm multimode (OM4)
V = 50 µm wideband multimode (OM5)
G = Single-mode Ultra (OS2)

6 Defines cable type.

PN = Plenum, non-armored

7 Defines leg length (end one on outside of reel).

C = 60 in (+3/-0 in)
Mates with module/harness.

8 Select 2.0 mm leg length (end two on inside of reel).

J = 12 in (+3/-0 in)
K = 24 in (+3/-0 in)
L = 36 in (+3/-0 in) (standard)
M = 48 in (+3/-0 in)
N = 60 in (+3/-0 in)
P = 72 in (+3/-0 in)

9 Defines trunk type.

Z = Universal hybrid connector extender

10 Select cable length.

005-999 feet
1 ft increments measured from furcation plug to furcation plug.

002-300 meters
1 mt increments measured from furcation plug to furcation plug.

11 Select unit of measure.

F = Feet
M = Meters

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EDGE8™ Adapter Panels, MTP®

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, MTP trunks to trunk harnesses, and in 40G multimode networks, connecting MTP trunks to 40G patch cords. The backbone trunks connect at the rear of the adapters and then various connection options are possible at the front using end-to-end links such as MTP harnesses, MTP trunks to 40G patch cords (and in 40G multimode networks), etc. The MTP adapter panel is the easiest way to implement parallel optic applications in your data center while retaining the existing hardware.

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 MTP adapter panels are available with one, two and four 8-fiber adapters for multimode and single-mode applications. All panels feature unique shuttered MTP reversible adapters at the front of the panel for on-site changes to manage field polarity, and visual fault locator (VFL) compatible shutters that enable easy port identification while defusing the VFL light to ensure adequate eye safety.

EDGE8 Adapter Panel
| Photo REN485

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 eliminating the need for dust caps

Part Number	Adapter Type Back	Fiber Count	Fiber 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/OM5)
EDGE8-CP16-V3	MTP®	16	50 µm MM (OM3/OM4/OM5)
EDGE8-CP24-V3	MTP®	24	50 µm MM (OM3/OM4/OM5)
EDGE8-CP32-V3	MTP®	32	50 µm MM (OM3/OM4/OM5)

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EDGE8™ MTP® Patch Cords

EDGE8 8-fiber MTP patch cords allow for seamless migration to higher data rates in the data center when used in conjunction with our EDGE8 pinned trunks.
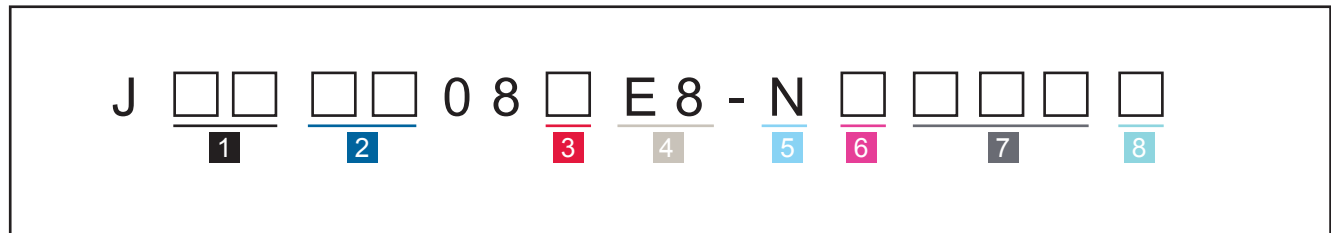
EDGE8 MTP Patch Cord
| Photo REN395

Ordering Information

J ☐☐ ☐☐ 0 8 ☐ E 8 - N ☐ ☐☐☐☐ ☐

1   2   3   4   5   6   7   8

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1   Select MTP connector.

E5 = MTP 8F (pinned) MM
E6 = MTP 8F (non-pinned) MM
E7 = MTP 8F (pinned) SM
E8 = MTP 8F (non-pinned) SM

2   Select MTP connector.

E5 = MTP 8F (pinned) MM
E6 = MTP 8F (non-pinned) MM
E7 = MTP 8F (pinned) SM
E8 = MTP 8F (non-pinned) SM

3   Select fiber type.

T = 50 µm multimode (OM3)
Q = 50 µm multimode (OM4)
V = 50 µm wideband multimode (OM5)
G = Single-mode Ultra (OS2)

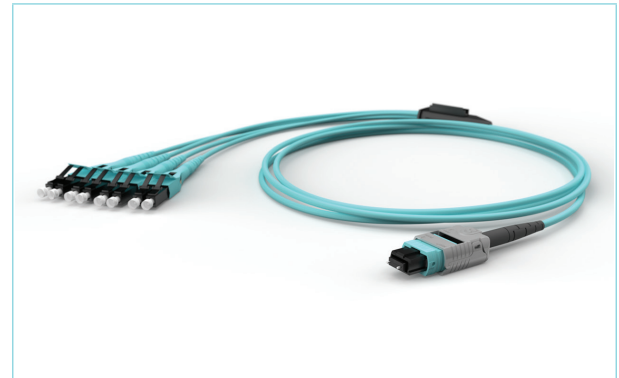**4**   Defines cable type.

E8 = Plenum, interconnect

5   Defines patch cord.

N = Patch cord, no furcation

6   Select patch cord polarity.

A = Type-A polarity
B = Type-B polarity
Note: For patch cord polarity, reference AEN156.

7   Select patch cord length.

003-200 feet
(Measured in 1 ft increments)

001-060 meters
(Measured in 1 mt increments)

8   Select unit of measure.

F = Feet
M = Meters

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

EDGE8™ Solutions

CORNING

EDGE8™ Harness

One of the critical challenges facing data center owners, operators, and maintenance personnel in high-density (HD) computing areas is how to provide high-port-concentration deployments to support the latest generation of high-speed switches without losing them under a mass of patch cords.

An EDGE8 harness is an ultra-slim 8-fiber (2.0 mm) preterminated fiber cable with an MTP® connector on one end and four LC Duplex connectors on the other. The majority of the harness is a single cable which breaks out into four, 2-fiber legs to enable connectivity to the switch ports which are staggered to replicate the specific switch ports to save on excess cable length.

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

Features

- Slim round 2-fiber interconnect cable

- Uniboot style duplex connectors

- Low-loss connectivity enables system design flexibility

- Designed to withstand tight bends and challenging cable routes
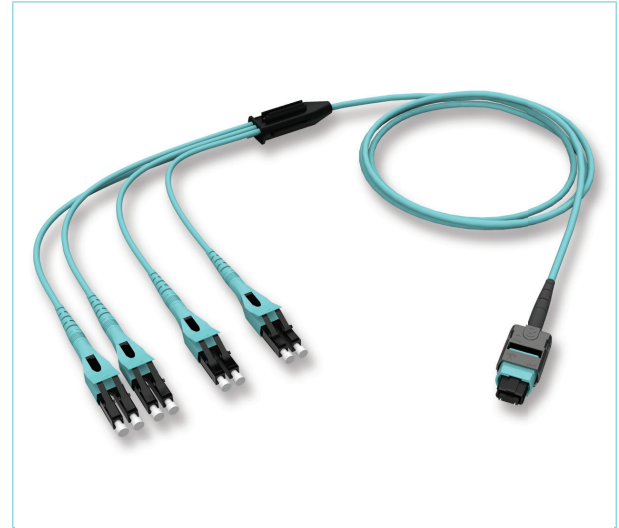
EDGE8 Staggered Harness
| Photo REN476
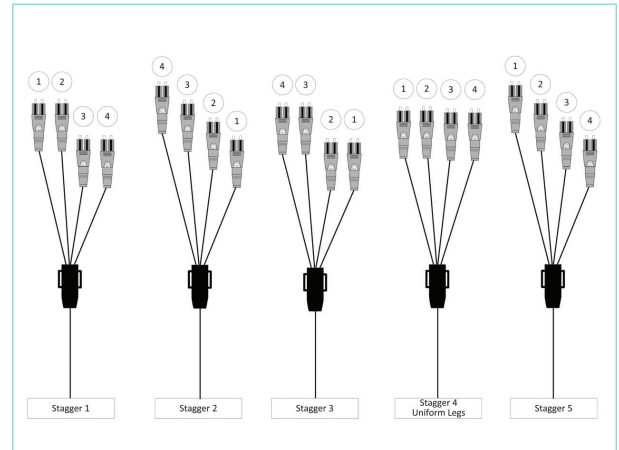
EDGE8 Staggered Harness Examples
| Photo ZA4253

CORNING

EDGE8™ Solutions

EDGE8™ QSFP to SFP+ Staggered Harness

The EDGE8 QSFP to SFP+ harness provides breakout from 8-fiber pinned MTP® connectors and LC duplex connectors.

EDGE8 Staggered Harness
| Photo REN476

Ordering Information

H ☐☐ ☐☐ 0 8 ☐ P H - ☐ ☐ ☐☐☐☐ ☐

1   2   3   4   5   6   7   8

1 Select MTP connector.

E5 = MTP 8F (pinned) MM
E6 = MTP 8F (non-pinned) MM
E7 = MTP 8F pinned) SM
E8 = MTP 8F (non-pinned) SM

2 Select the breakout connector type.

79 = LC Uniboot, low-loss MM
78 = LC Uniboot SM

3 Select fiber type.

T = 50 µm multimode (OM3)
Q = 50 µm multimode (OM4)
V = 50 µm wideband multimode (OM5)
G = Single-mode Ultra (OS2)

4 Defines cable type.

PH = Plenum, harness

5 Select leg length in inches (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

Note: For harness stagger type, reference AEN157.

6 Select harness polarity.

A = Type-A polarity
B = Type-B polarity
*Note: For harness polarity, reference AEN156.*

7 Select harness length.

003-020 feet
(1 ft increments measured from plug to MTP, does not include LC stagger)

001-006 meters
(1 mt increments measured from plug to MTP, does not include LC stagger)

8 Select unit of measure.

F = Feet
M = Meters

EDGE8™ Solutions

EDGE8™ QSFP to SFP+ Non-Staggered Harness

The EDGE8 QSFP to SFP+ harness provides breakout from 8-fiber pinned MTP® connectors and LC duplex connectors.

EDGE8 Non-staggered Harness
| Photo REN1427

CORNING

Ordering Information

H ☐ ☐ ☐ ☐ 0 8 ☐ P H - ☐ ☐ ☐ ☐ ☐ ☐

1 Select MTP connector.

E5 = MTP 8F (pinned) MM
E6 = MTP 8F (non-pinned) MM
E7 = MTP 8F (pinned) SM
E8 = MTP 8F (non-pinned) SM

2 Select the breakout connector type.

04 = LC Duplex SM
05 = LC Duplex, low-loss MM
79 = LC Uniboot, low-loss MM
78 = LC Uniboot SM

3 Select fiber type.

T = 50 μm multimode (OM3)
Q = 50 μm multimode (OM4)
V = 50 μm wideband multimode (OM5)
G = Single-mode Ultra (OS2)

4 Defines cable type.

PH = Plenum, harness

5 Select leg length in inches (leg OD is 2.0 mm).

J = 12 in (+3/-0 in)
K = 24 in (+3/-0 in)
L = 36 in (+3/-0 in)
M = 48 in (+3/-0 in)
N = 60 in (+3/-0 in)
P = 72 in (+3/-0 in)
R = 98 in (+3/-0 in)

Furcation legs are color coded by fiber type.

6 Select harness polarity.

A = Type-A polarity
B = Type-B polarity

Note: For harness polarity, reference AEN156.

7 Select the harness length.

003-200 feet
(1 ft increments measured from plug to MTP, does not include stagger)

001-060 meters
(1 mt increments measured from plug to MTP, does not include stagger)

8 Select unit of measure.

F = Feet
M = Meters

CORNING

EDGE8™ Solutions

CORNING

EDGE8™ Modules

EDGE8 modules provide the interface between the MTP® connector on the trunk and the LC duplex patch cords that will then connect directly into the electronics or as a cross-connect in the main distribution area (MDA).

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. 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.
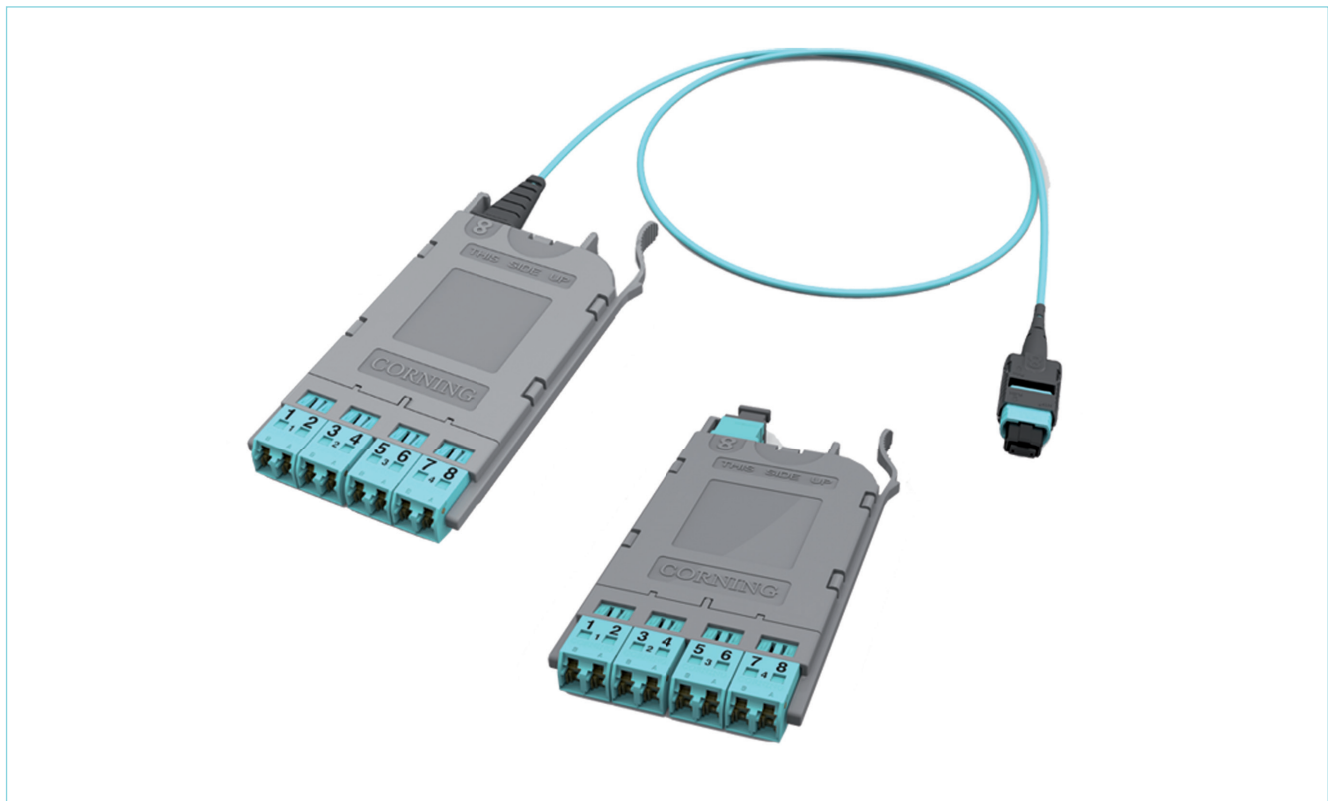
EDGE8 Modules
| Photo REN387 and REN390

Optical Performance

	Connector Type	Module Insertion Loss, Max	Fiber Category	Adapter Color Front
Multimode Modules	PC	0.35 dB	50 µm MM (OM4/OM5)	Aqua
Single-Mode Modules	UPC	0.60 dB	SM (OS2)	Blue

CORNING

EDGE8™ Solutions

CORNING

EDGE8™ MTP® to LC Duplex Module

EDGE8 modules provide an interface between 8-fiber MTP connectors and LC duplex connectors. The internal wiring of the module based on universal polarity ensures the correct fiber 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).

Features

- Breaks out 8-fiber MTP terminations from the rear into 4x LC duplex connectivity at the front

- Ultra-low-loss connectivity of 0.35 dB enables system design flexibility

- Internal wiring (universal polarity) ensures correct fiber polarity throughout the system

- Features LC duplex adapters with translucent in-ward-folding shutters which:
  - provide reliable dust protection without the need for dust caps
  - allow fiber identification with visual fault locator (VFL)
  - diffuse VFL light for eye safety

- Easily swappable with MTP panels to:
  - accommodate changing requirements while leaving trunk cable infrastructure in place
  - migrate to MTP ports for parallel optics

- Packaged in easy-open containers

EDGE8 MTP to LC Duplex Module
| Photo REN389

Ordering Information

E C M 8 - ☐☐ 0 8 - ☐☐ - ☐☐☐ - U L L

1   **2**   **3**   **4**   **5**

1 Select polarity.

UM = Universal polarity
RM = Straight-through

2 Defines fiber count.

08 = 8 fibers

3 Select adapters on module front.

05 = Shuttered LC Duplex MM
04 = Shuttered LC Duplex SM

4 Select MTP adapter on the back of the module.

E5 = MTP 8F (pinned) MM
E6 = MTP 8F (non-pinned) MM
E7 = MTP 8F (pinned) SM
E8 = MTP 8F (non-pinned) SM

5 Select fiber type.

Q = 50 µm multimode (OM4)
V = 50 µm wideband multimode (OM5)
G = Single-mode Ultra (OS2)

CORNING

EDGE8™ Solutions

EDGE™ Base-8 MTP® to LC Duplex Module

The 8-fiber MTP® to LC Duplex module is a solution that is well suited for customers that want to migrate to an 8-fiber solution while still utilizing an existing EDGE footprint.

Features

- Breaks out 8-fiber MTP terminations from the rear into 4x LC duplex connectivity at the front

- Ultra-low-loss connectivity of 0.35 dB enables system design flexibility

- Easy integration into existing EDGE (Base-12) Housings or Hardware

- Internal wiring (universal polarity) ensures correct fiber polarity throughout the system

- Features LC duplex adapters with translucent inward-folding shutters which:
  - provide reliable dust protection without the need for dust caps
  - allow fiber identification with visual fault locator (VFL)
  - diffuse VFL light for eye safety

- Easily swappable with MTP panels to:
  - accommodate changing requirements while leaving trunk cable infrastructure in place
  - migrate to MTP ports for parallel optics

- Packaged in easy-open containers
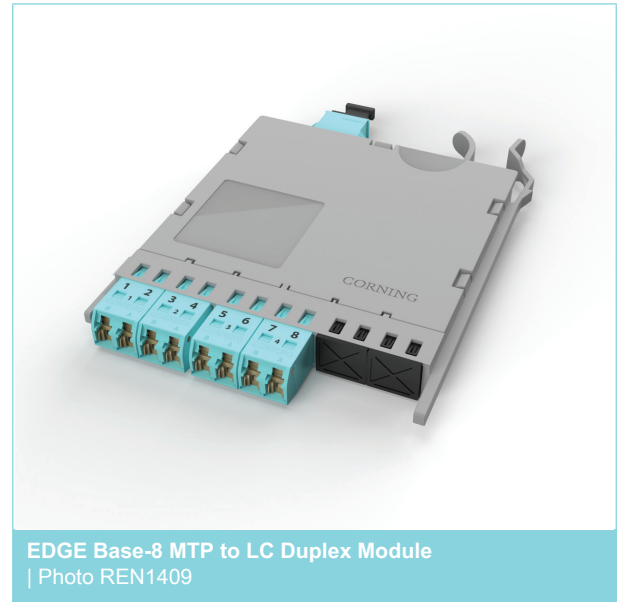
EDGE Base-8 MTP to LC Duplex Module
| Photo REN1409

Ordering Information

ECM12- ☐☐ 08 - ☐☐ - ☐☐☐ - U L L
          1   **2**   **3**   **4**   **5**

1 Select polarity.
UM = Universal polarity
RM = Straight-through

2 Defines fiber count.
08 = 8 fibers

3 Select adapters on module front.
05 = Shuttered LC Duplex MM
04 = Shuttered LC Duplex SM

4 Select MTP adapter on the back of the module.
E5 = MTP 8F (pinned) MM
E6 = MTP 8F (non-pinned) MM
E7 = MTP 8F (pinned) SM
E8 = MTP 8F (non-pinned) SM

5 Select fiber type.
Q = 50 µm multimode (OM4)*
G = Single-mode Ultra (OS2)

*Compatible with wideband (OM5) solutions.

EDGE8™ Solutions

CORNING

EDGE8™ Port Breakout Module

EDGE8 MTP® port breakout modules enable 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 break out the 8-fiber QSFP 40G transceiver into 4x 2-fiber 10G LC duplex connections.

Features

- Breaks out 8-fiber MTP terminations from the rear into 4x LC duplex connectivity at the front

- Ultra-low-loss connectivity of 0.35 dB enables system design flexibility

- Internal wiring (universal polarity) ensures correct fiber polarity throughout the system

- Features LC duplex adapters with translucent in-ward-folding shutters which:
  - provide reliable dust protection without the need for dust caps
  - allow fiber identification with visual fault locator (VFL)
  - diffuse VFL light for eye safety

- Packaged in easy-open containers
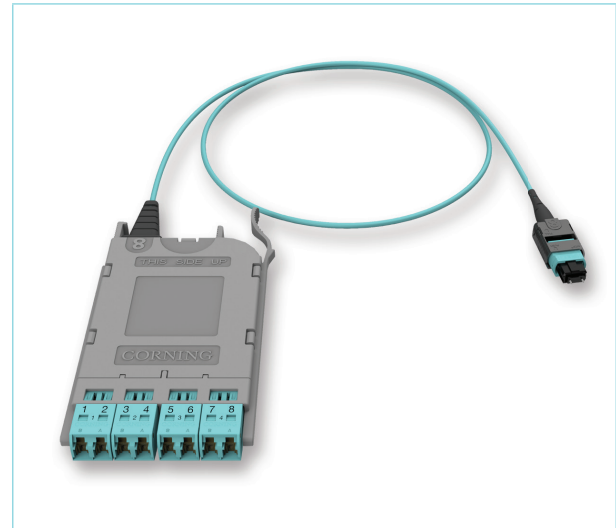
EDGE8 Port Breakout Module
| Photo REN390

Ordering Information

ECM8 - ☐☐☐☐ - ☐ E8 ☐ - ☐☐☐ ☐

1 2 3 4 5 6 7

1 Select adapters on module front.

05 = Shuttered LC Duplex MM
04 = Shuttered LC Duplex SM

2 Select MTP adapter on the back of the module.

E5 = MTP 8F (pinned) MM
E6 = MTP 8F (non-pinned) MM
E7 = MTP 8F (pinned) SM
E8 = MTP 8F (non-pinned) SM

3 Select fiber type.

Q = 50 μm multimode (OM4)
V = 50 μm wideband multimode (OM5)
G = Single-mode Ultra (OS2)

4 Defines cable type.

E8 = Plenum, interconnect

5 Select polarity.

A = Type-A polarity
B = Type-B polarity

6 Select cable length.

003-075 feet
(1 ft increments measured from furcation plug to furcation plug)

001-025 meters
(1 mt increments measured from furcation plug to furcation plug)

7 Select unit of measure.

F = Feet
M = Meters

CORNING

EDGE8™ Solutions

EDGE8™ Front Access Breakout Module

This module will typically connect to the active electronics, via a jumper or harness, and break out the 8-fiber QSFP 40G transceiver into 4x 2-fiber 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 make it ideal for deployments where space and access are challenging.

Features

- Breaks out 8-fiber MTP® terminations into 4x LC duplex connectivity, all at the front

- Ultra-low-loss connectivity of 0.35 dB enables system design flexibility

- Easy integration into existing EDGE (Base-12) deployments

- Internal wiring (universal polarity) ensures correct fiber polarity throughout the system

- Features LC duplex adapters with translucent inward folding shutters which:
  - provide reliable dust protection without the need for dust caps
  - allow fiber identification with visual fault locator (VFL)
  - diffuse VFL light for eye safety

- Packaged in easy-open containers

Front Access Breakout Module | Photo REN1986
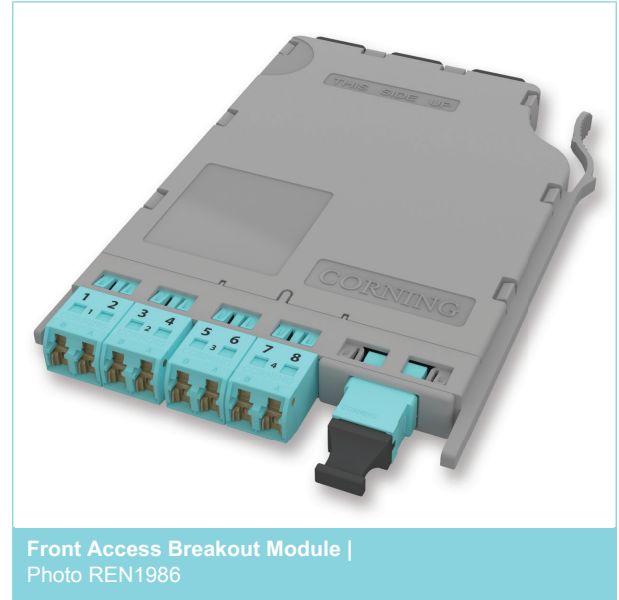
Part Number	Adapter Type Front	Fiber Count	Fiber Category
ECM-UM08-05-E5QF-ULL	LC duplex/MTP (pinned)	8	50 µm MM (OM3/OM4/OM5)
ECM-UM08-05-E6QF-ULL	LC duplex/MTP (non-pinned)	8	50 µm MM (OM3/OM4/OM5)
ECM-UM08-04-E7GF-ULL	LC duplex/MTP (pinned)	8	Bend-improved SM (OS2)
ECM-UM08-04-E8GF-ULL	LC duplex/MTP (non-pinned)	8	Bend-improved SM (OS2)

CORNING

EDGE8™ Solutions

Plug & Play™ Base-8 Module

The 24-fiber MTP® to LC duplex module is ideal for customers that want to deploy a Base-8 solution in an existing CCH or PCH infrastructure.

Features

- Breaks out three 8-fiber MTP terminations from the rear into 24x LC duplex connectivity at the front

- Ultra-low-loss connectivity of 0.35 dB enables system design flexibility

- Easy integration into existing Plug & Play™ (CCH or PCH) deployments

- Internal wiring (universal polarity) ensures correct fiber polarity throughout the system

- Features LC duplex adapters with translucent inward folding shutters which:
  - provide reliable dust protection without the need for dust caps
  - allow fiber identification with visual fault locator (VFL)
  - diffuse VFL light for eye safety

Plug & Play Base-8 Module |
Photo REN1949

Part Number	Adapter Type Back	Fiber Count	Fiber Category
CCH8-UM24-05-E5Q-ULL	MTP (pinned)	24	50 µm MM (OM3/OM4/OM5)
CCH8-UM24-05-E6Q-ULL	MTP (non-pinned)	24	50 µm MM (OM3/OM4/OM5)
CCH8-UM24-04-E7G-ULL	MTP (pinned)	24	Bend-improved SM (OS2)
CCH8-UM24-04-E8G-ULL	MTP (non-pinned)	24	Bend-improved SM (OS2)

CORNING

EDGE8™ Solutions

EDGE8™ Tap Modules

EDGE8 tap modules enable passive optical tapping of the network while reducing downtime and link loss, and increase rack space utilization 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, the 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 reduced 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 (1RU), and they fit seamlessly into EDGE8 Solutions hardware for maximum cable management and better utilization of rack space.

EDGE8 Tap Modules - MTP to MTP; MTP to LC; LC to LC
| Photo REN1535, REN1527, REN1519

EDGE8™ Solutions
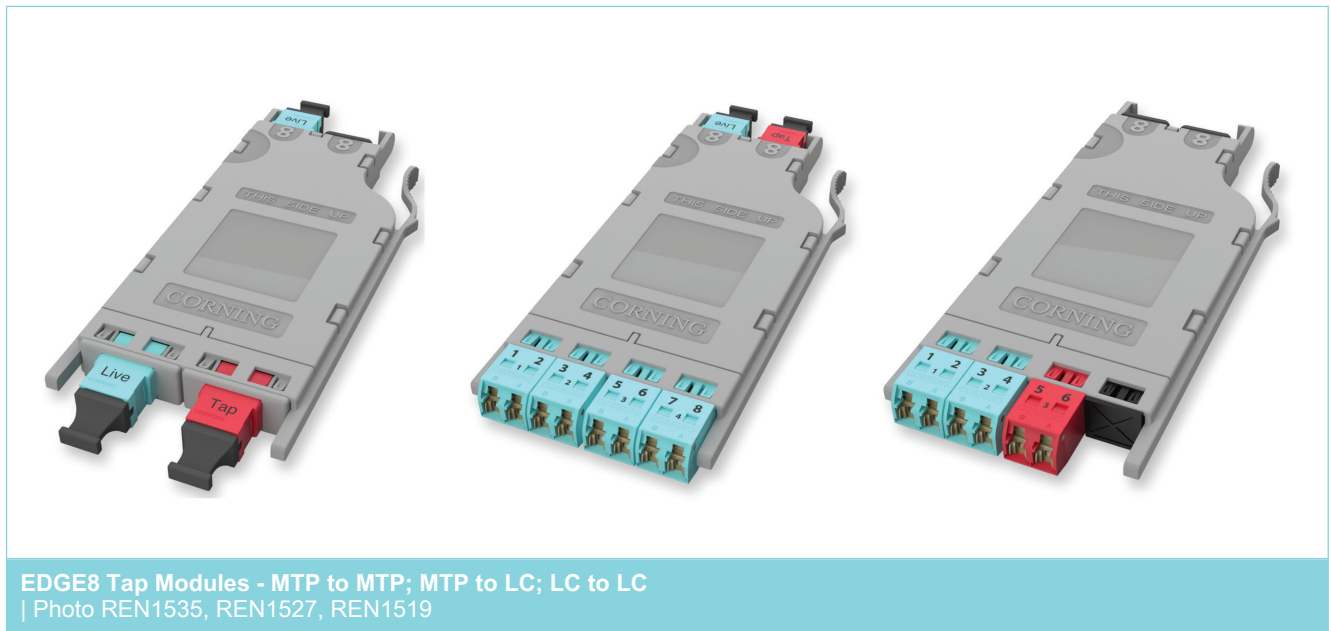
EDGE8™ MTP® to MTP Tap Modules

EDGE8 MTP to MTP tap modules provide an MTP interface at the front of the tap module which 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 tap module and a pinless "Live" (aqua for multimode, black for single-mode) MTP adapter on the rear of the tap 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 center infrastructure.

MTP to MTP Tap Module | Photo REN1528

MTP to MTP Tap Module | Photo REN1629
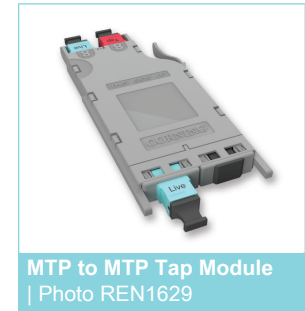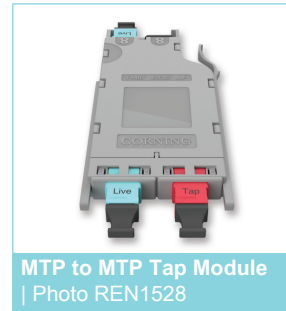
Multimode

Part Number	Description
ETM8-50C-Q	EDGE8™ TAP Module MTP-MTP
ETM8-50C-Q-R	EDGE8™ TAP Module MTP-MTP and Rear Tap
ETM8-70C-Q-PREM	EDGE8™ TAP Module Premium MTP-MTP
ETM8-70C-Q-R-PREM	EDGE8™ TAP Module Premium MTP-MTP and Rear Tap
ETM8-80C-Q-PREM	EDGE8™ TAP Module Premium MTP-MTP
ETM8-80C-Q-R-PREM	EDGE8™ TAP Module Premium MTP-MTP and Rear Tap

Single-mode

Part Number	Description
ETM8-50C-G	EDGE8™ TAP Module MTP-MTP
ETM8-50C-G-R	EDGE8™ TAP Module MTP-MTP and Rear Tap
ETM8-70C-G	EDGE8™ TAP Module MTP-MTP
ETM8-70C-G-R	EDGE8™ TAP Module MTP-MTP and Rear Tap
ETM8-80C-G	EDGE8™ TAP Module MTP-MTP
ETM8-80C-G-R	EDGE8™ TAP Module MTP-MTP and Rear Tap
ETM8-90C-G	EDGE8™ TAP Module MTP-MTP
ETM8-90C-G-R	EDGE8™ TAP Module MTP-MTP and Rear Tap

EDGE8™ Solutions

CORNING

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.
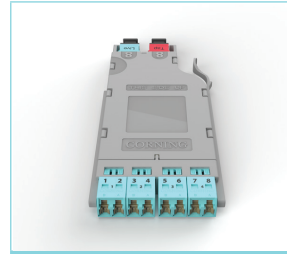
MTP to LC Duplex Tap Module | Photo REN1520
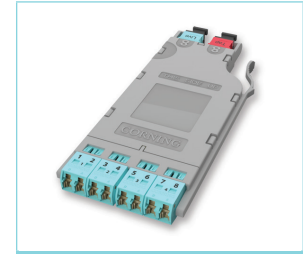
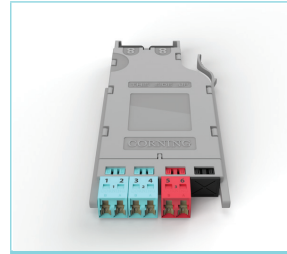**MTP to LC Duplex Tap Module** | Photo REN1527

Multimode	
Part Number	Description
ETM8-50B-Q	EDGE8™ TAP Module MTP-LC
ETM8-70B-Q-PREM	EDGE8™ TAP Module Premium MTP-LC
ETM8-80B-Q-PREM	EDGE8™ TAP Module Premium MTP-LC

Single-mode	
Part Number	Description
ETM8-50B-G	EDGE8™ TAP Module MTP-LC
ETM8-70B-G	EDGE8™ TAP Module MTP-LC
ETM8-80B-G	EDGE8™ TAP Module MTP-LC
ETM8-90B-G	EDGE8™ TAP Module MTP-LC

CORNING

EDGE8™ Solutions

CORNING

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. The tap adapters are red and the live traffic adapters are blue (for single-mode) or aqua (for multimode). The red LC adapter enables monitoring on the application side.

LC to LC Tap Module
| Photo REN1512
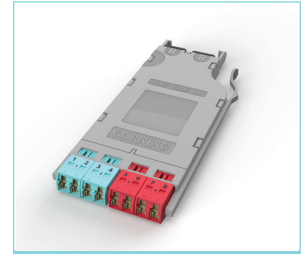
BiDi Tap Module
| Photo REN1543

Multimode	
Part Number	Description
ETM8-50A-Q	EDGE8™ TAP Module LC-LC
ETM8-50A-Q-BD	EDGE8™ TAP Module BiDi LC-LC
ETM8-70A-Q-PREM	EDGE8™ TAP Module Premium LC-LC
ETM8-80A-Q-PREM	EDGE8™ TAP Module Premium LC-LC

Single-mode	
Part Number	Description
ETM8-50A-G	EDGE8™ TAP Module LC-LC
ETM8-70A-G	EDGE8™ TAP Module LC-LC
ETM8-80A-G	EDGE8™ TAP Module LC-LC
ETM8-90A-G	EDGE8™ TAP Module LC-LC

CORNING

EDGE8™ Solutions

CORNING

EDGE8™ MTP® to MTP Tap Harnesses

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

EDGE8 MTP to MTP Tap Harness
| Photo LAN9316

Ordering Information

H ☐☐ ☐☐ 0 8 ☐ P H - ☐ B ☐☐☐ ☐
  1   **2**   **3** **4** **5** **6** **7** **8**

1 Select MTP connector (from TAP module).
E5 = MTP 8F (pinned) MM
E7 = MTP 8F (pinned) SM

2 Select MTP connector (to electronics - each MTP connector has 4 fibers).
E6 = MTP 8F (non-pinned) MM
E8 = MTP 8F (non-pinned) SM

3 Select fiber type.
Q = 50 µm multimode (OM4)
V = 50 µm wideband multimode (OM5)
G = Single-mode Ultra (OS2)

4 Defines cable type.
PH = Plenum, harness

5 Select leg length in inches (leg OD is 2.0 mm).
J = 12 in (+3/-0 in)
K = 24 in (+3/-0 in)

6 Defines harness polarity.
B = Type-B polarity

7 Select harness length.
003-200 feet
(1 ft increments measured from plug to MTP, does not include stagger)
001-060 meters
(1 mt increments measured from plug to MTP, does not include stagger)

**8** Select unit of measure.
F = Feet
M = Meters

CORNING

EDGE8™ Solutions

EDGE8™ MTP® to LC Tap Harness

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

EDGE8 MTP to LC Tap Harness
| Photo LAN9317

Ordering Information

H ☐☐ ☐☐ 0 8 ☐ PH - ☐ B ☐☐☐ ☐
  1   2   3   4   5 6   7   8

1 Select MTP connector (from TAP module).

E5 = MTP 8F (pinned) MM
E6 = MTP 8F (non-pinned) MM
E7 = MTP 8F (pinned) SM
E8 = MTP 8F (non-pinned) SM

2 Select breakout connector type.

02 = LC Simplex SM
03 = LC Simplex, low-loss MM

3 Select fiber type.

Q = 50 µm multimode (OM4)
V = 50 µm wideband multimode (OM5)
G = Single-mode Ultra (OS2)

4 Defines cable type.

PH = Plenum, harness

5 Select leg length in inches (leg OD is 2.0 mm).

J = 12 in (+3/-0 in)
K = 24 in (+3/-0 in)

6 Defines harness polarity.

B = Type-B polarity

7 Select harness length.

003-200 feet
(1 ft increments measured from plug to MTP, does not include stagger)

001-060 meters
(1 mt increments measured from plug to MTP, does not include stagger)

8 Select unit of measure.

F = Feet
M = Meters

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. This patch cord comes with a straight-through polarity from the factory, but you can convert it to a flipped patch cord with no tools. This uniboot design allows one cable to carry both fibers, reducing patch cord bulk when routing.

Reverse Polarity Uniboot Duplex Patch Cords
| Photo LAN2223
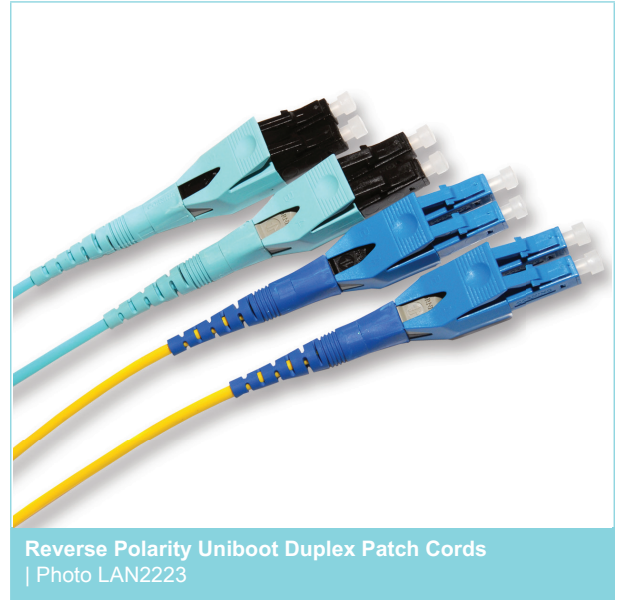
LC Uniboot Patch Cord Specifications

Connector	Connector Code	Max. Attentuation (dB)	Return Loss (dB)
MM LC Uniboot	79	0.5	≤26
SM LC Uniboot	78	0.5	≤55

Ordering Information

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1   2   3   4   5   6
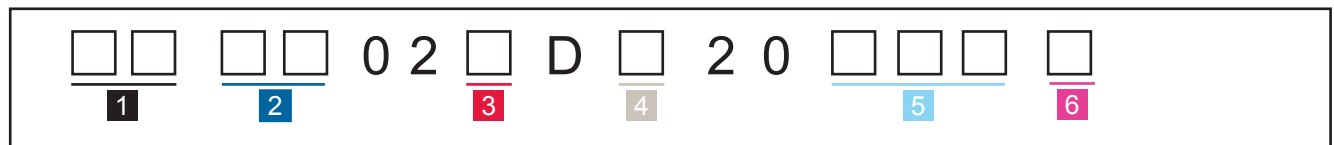
1 Select connector one type.

79 = Multimode LC Uniboot (OM3/OM4)
78 = Single-mode LC UPC Uniboot (OS2)

2 Select connector two type.

79 = Multimode LC Uniboot (OM3/OM4)
78 = Single-mode LC UPC Uniboot (OS2)

3 Select fiber type.

T = 50 μm multimode (OM3)
Q = 50 μm multimode (OM4)
V = 50 μm wideband multimode (OM5)
G = SMF Ultra (OS2)

4 Select flame rating.

1 = Riser
8 = Plenum

5 Select length.

001-250 (tip-to-tip)

6 Select unit of measure.

F = Feet
M = Meters

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Cleaning Accessories

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

Housing Accessories
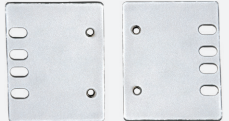
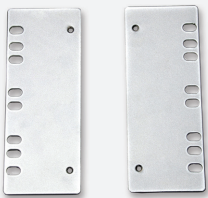| Part Number	Product Description	Units per Delivery	
EDGE8-TRAY-QTY1	EDGE8™ Hardware Accessory, EDGE8 tray kit, quantity of 1	1/1	
EDGE8-TRAY-QTY12	EDGE8™ Hardware Accessory, EDGE8 tray kit, quantity of 12	12/1	
EDGE8-01U-TRAY	EDGE8™ Hardware Accessory, EDGE8-01U tray kit, 12-pack, POS 01 to 02	1/1	
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	

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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	

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	
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	

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Trunk Accessories

Part Number	Product Description	Units per Delivery	
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	

RoHS COMPLIANT