EDGE8™ Solutions

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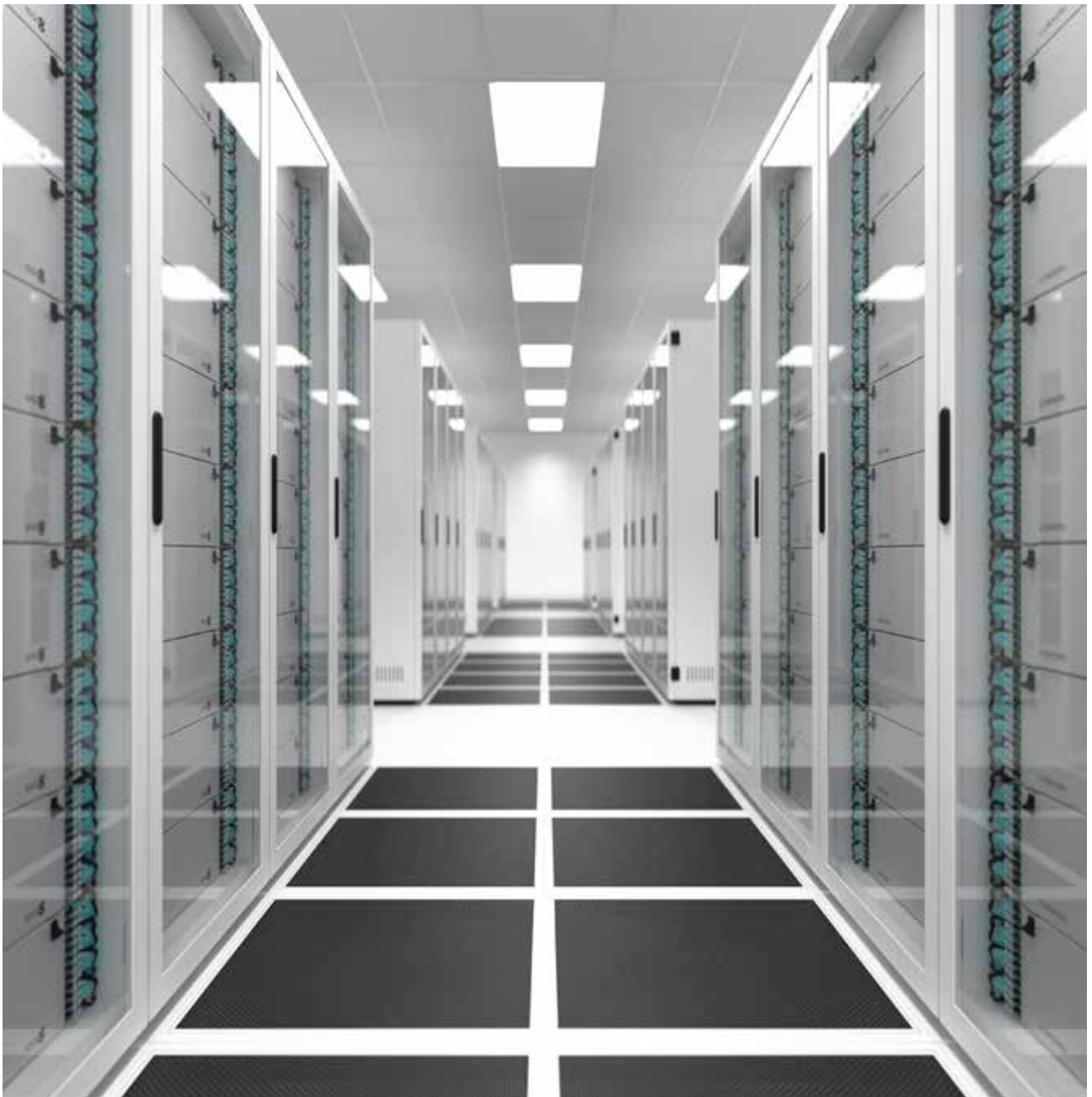# EDGE8™ Solutions

Awards

Hosted by Future Thinking Magazine with an Expert Panel of 16 members across the Data Centre Industry, the German Data Centre Awards recognise products and projects that enhance data centres' efficiency with a special focus on innovative and visionary solutions. The Winners were selected by the this expert panel and were announced on 19 April 2016.

The DCS awards are designed to reward the product designers, manufacturers, suppliers and providers operating in data centre area and recognise the achievements of the vendors and their business partners. The winners were selected by public vote from the installation, distribution, consultant and end user communities from around the world and were announced on 12th May 2016.

The German Readers' Choice DataCenter Insider Award recognizes products and projects that enhance the efficiency of data centres with a special focus on innovative and visionary solutions by a public vote. The winners were selected by public vote from the installation, distribution, consultant and end user communities across the DACH region and were announced on 20 October 2016.

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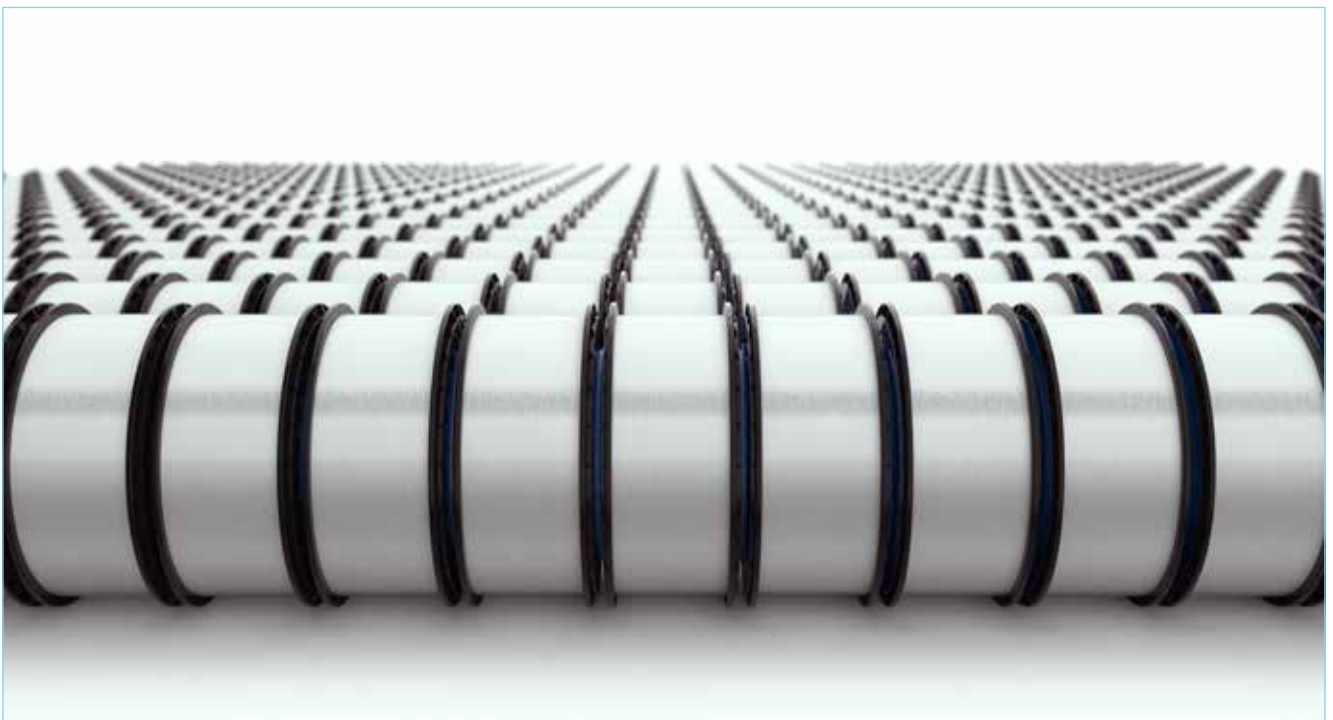## EDGE8™ Solutions Introduction

Corning® ClearCurve® bend-optimised multimode and SMF-28 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 EDGE™ solutions were the industry's first pre-terminated optical cabling systems specifically designed for the data centre 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-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 percent fibre utilisation of a Base-8 design.

EDGE8 solutions strengthen your data centre in three key areas:
- increased asset utilisation with reduced patch cable complexity and the elimination of stranded cabling assets
- technology adoption due to 100 percent fibre utilisation — without the need for conversion modules — improving the link performance whilst reducing costs
- risk avoidance, providing a simple and clear path to 40G, 100G, and 400G

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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 cables.

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 cable 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 cable 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 simpler with a full-size mounting area on the inside of the front door for 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 cable/ 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
- 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
- 1U EDGE8 housing EDGE8-01U
  - 48x LC duplex ports (96 fibre)
  - 48x MTP ports (384 fibre)
- 1U EDGE8 housing EDGE8-01U-SP
  - 72x LC duplex ports (144 fibre)
  - 72x MTP ports (576 fibre)
- 2U EDGE8 housing EDGE8-02U
  - 144x LC duplex ports (288 fibre)
  - 144x MTP ports (1152 fibre)
- 4U EDGE8 housing EDGE8-04U
  - 288x LC duplex ports (576 fibre)
  - 288x MTP ports (2304 fibre)

EDGE8-01U
| Photo REN457

EDGE8-01U-SP
| Photo REN446

EDGE8-02U
| Photo REN463

EDGE8-04U
| Photo REN466

Ordering Information

Part Number	Height Unit	Dimensions (W x D x H)	Packaging Dimensions (W x D x H)	Shipping Weight	Number of Panels per Housing
EDGE8-01U	1U	432 mm x 561 mm x 44 mm	584 mm x 673 mm x 191 mm	6.8 kg	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
EDGE8-02U	2U	432 mm x 561 mm x 88 mm	578 mm x 667 mm x 241 mm	10.4 kg	36
EDGE8-04U	4U	432 mm x 561 mm x 177 mm	578 mm x 667 mm x 327 mm	16.5 kg	72

Note: When rear strain-relief plate is removed from part number EDGE8-01U-SP, product depth reduces to 347 mm.

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EDGE8™ FX Housings

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

EDGE8 FX housings include a fixed, compact design providing module or panel deployment from the front or rear of the housing. The integrated cable routing elements of the housing make real structured patch cable management possible whilst 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 cable 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 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 simpler – there is a full-size mounting area on the inside of 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.

EDGE8-04U-FP Housing
| Photo REN1579

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Features and Benefits

Integrated routing guides
Provides easier patch cable and harness routing

Quick mounting system
Allows for one-person installation

Removable strain-relief plate
Enables installation in 300 mm depth cabinets or back-to-back installation in 800 mm standard cabinets

Improved mounting brackets
Allow for depth adjustment in the rack

Removable top covers on the 1U and 2U housings
Provides easier access to modules and panels

Total flexibility in the same FX housing
- Accepts EDGE8 universal modules
- Accepts EDGE8 conversion modules
- Accepts EDGE8 tap modules
- Accepts EDGE8 1x, 2x, 3x and 4x MTP®
  adapter panels
- Accepts EDGE8 4x LC duplex adapter panels

High port concentration with LC duplex and MTP Base-8 system
- 1 U EDGE8 Housing EDGE8-01U-FP
           48x LC duplex ports (96 fibre)
           48x MTP ports (384 fibre)
- 2 U EDGE8 Housing EDGE8-02U-FP
           96x LC duplex ports (192 fibre)
           96x MTP ports (768 fibre)
- 4 U EDGE8 Housing EDGE8-04U-FP
           192x LC duplex ports (384 fibre)
           192x MTP ports (1536 fibre)

EDGE8-01U-FP
| Photo REN1140

EDGE8-02U-FP
| Photo REN1577

Ordering Information

Part Number	Height Unit	Dimensions (W x D x H)	Packaging Dimensions (W x D x H)	Shipping Weight
EDGE8-01U-FP	1U	432 mm x 437 mm x 44 mm	584 mm x 470 mm x 152 mm	4.4 kg
EDGE8-02U-FP	2U	445 mm x 434 mm x 89 mm	251 mm x 575 mm x 362 mm	6.6 kg
EDGE8-04U-FP	4U	445 mm x 434 mm x 178 mm	340 mm x 575 mm x 362 mm	10 kg

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EDGE8™ Trunks

EDGE8 MTP® trunks are preterminated cables with ul-tra-low-loss 8-fibre 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 centre 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							
Fibre Count	Nominal Outer Diameter	Weight	Min. Bend Radius Installation	Min. Bend Radius Operation	Crush resistance (reversible)	Max. tensile strength for installation	Pulling Grip Outer Diameter
8	4.5 mm	23.5 kg/km	78.8 mm	67.5 mm	350 N/10 cm	450 N	38 mm
16	7.2 mm	41.1 kg/km	126 mm	108 mm	350 N/10 cm	660 N	52 mm
24	7.2 mm	42.1 kg/km	126 mm	108 mm	350 N/10 cm	660 N	52 mm
32	8.3 mm	56.1 kg/km	145.3 mm	124.5 mm	350 N/10 cm	660 N	52 mm
48	8.3 mm	57.6 kg/km	145.3 mm	124.5 mm	350 N/10 cm	660 N	52 mm
72	11.3 mm	86.1 kg/km	197.8 mm	169.5 mm	350 N/10 cm	660 N	52 mm
96	11.3 mm	88.4 kg/km	197.8 mm	169.5 mm	350 N/10 cm	660 N	52 mm
144	13.5 mm	232.6 kg/km	236.3 mm	202.5 mm	350 N/10 cm	660 N	-
192	15.2 mm	232.6 kg/km	266 mm	228 mm	350 N/10 cm	660 N	-
288	17.6 mm	393 kg/km	308 mm	264 mm	350 N/10 cm	660 N	-

Note: For Plug Size information: size 1 for 8 fibre (h = 15 mm); Size 2 for 16 - 96 fibres (h = 20 mm); 144, 192 and 288 fibres are only with protective grip.

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

Packaging Method	Reel AA	Reel A	Reel B	Reel C	Reel Y
Reel Flange (mm)	496	496	496	496	600
Reel Core (mm)	302	302	302	302	415
Reel Width (mm)	100	178	305	457	300
Fibre Count	No Pulling Grip - Z (m)				
8	23 - 400	400.5 - 900	-	-	900.5 - 999
16	23 - 200	200.5 - 360	360.5 - 650	650.5 - 900	900.5 - 999
24	23 - 170	170.5 - 300	300.5 - 600	600.5 - 900	900.5 - 999
32	23 - 140	140.5 - 260	260.5 - 480	480.5 - 710	710.5 - 999
48	23 - 120	120.5 - 200	200.5 - 380	380.5 - 580	580.5 - 999
72	-	-	-	-	23 - 399.5
96	-	-	-	-	23 - 299.5
144	-	-	-	-	-
192	-	-	-	-	-
288	-	-	-	-	-

Packaging Method	Reel T	Wood Reel	Wood Reel	Reel NBN/HFC
Reel Flange (mm)	780	600	1042	1150
Reel Core (mm)	480	410	807	726
Reel Width (mm)	400	1200	724	1200
Fibre Count	No Pulling Grip - Z (m)			
8	-	-	-	-
16	-	-	-	-
24	-	-	-	-
32	-	-	-	-
48	-	-	-	-
72	400 - 999	-	-	-
96	300 - 999	-	-	-
144	-	2 - 999	-	-
192	-	2 - 300	300.5 - 600	600.5 - 999
288	-	-	2 - 600	600.5 - 999

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Reel Capacities

Packaging Method	Reel AA	Reel A	Reel B	Reel C	Reel Y
Reel Flange (mm)	496	496	496	496	600
Reel Core (mm)	302	302	302	302	415
Reel Width (mm)	100	178	305	457	300
Fibre Count		Pulling Grips on both ends - D (m)			
8	-	23 - 330	330.5 - 600	600.5 - 900	900.5 - 999
16	-	23 - 250	250.5 - 450	450.5 - 600	600.5 - 999
24	-	23 - 100	100.5 - 200	200.5 - 300	300.5 - 999
32	-	23 - 100	100.5 - 200	200.5 - 300	300.5 - 999
48	-	23 - 70	70.5 - 140	140.5 - 210	580.5 - 999
72	-	-	-	-	23 - 399.5
96	-	-	-	-	23 - 299.5
144	-	-	-	-	-
192	-	-	-	-	-
288	-	-	-	-	-

Packaging Method	Reel T	Wood Reel	Wood Reel	Reel NBN/HFC
Reel Flange (mm)	780	600	1042	1150
Reel Core (mm)	480	410	807	726
Reel Width (mm)	400	1200	724	1200
Fibre Count		Pulling Grips on both ends - D (m)		
8	-	-	-	-
16	-	-	-	-
24	-	-	-	-
32	-	-	-	-
48	-	-	-	-
72	400 - 999	-	-	-
96	300 - 999	-	-	-
144	-	2 - 999	-	-
192	-	2 - 300	300.5 - 600	600.5 - 999
288	-	-	2 - 600	600.5 - 999

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Reel Capacities

Packaging Method	Reel AA	Reel A	Reel B	Reel C	Reel Y
Reel Flange (mm)	496	496	496	496	600
Reel Core (mm)	302	302	302	302	415
Reel Width (mm)	100	178	305	457	300
Fibre Count	Pulling Grip on One End - G (m)				
8	23 - 60	60.5 - 330	330.5 - 600	600.5 - 900	900.5 - 999
16	23 - 50	50.5 - 250	250.5 - 450	450.5 - 600	600.5 - 999
24	23 - 30	30.5 - 100	100.5 - 200	200.5 - 300	300.5 - 999
32	23 - 30	30.5 - 100	100.5 - 200	200.5 - 300	300.5 - 999
48	-	23 - 70	70.5 - 140	140.5 - 210	210.5 - 999
72	-	-	-	-	23 - 399.5
96	-	-	-	-	23 - 299.5
144	-	-	-	-	-
192	-	-	-	-	-
288	-	-	-	-	-

Packaging Method	Reel T	Wood Reel	Wood Reel	Reel NBN/HFC
Reel Flange (mm)	780	600	1042	1150
Reel Core (mm)	480	410	807	726
Reel Width (mm)	400	1200	724	1200
Fibre Count	Pulling Grip on One End - G (m)			
8	-	-	-	-
16	-	-	-	-
24	-	-	-	-
32	-	-	-	-
48	-	-	-	-
72	400 - 999	-	-	-
96	300 - 999	-	-	-
144	-	2 - 999	-	-
192	-	2 - 300	300.5 - 600	600.5 - 999
288	-	-	2 - 600	600.5 - 999

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EDGE8™ MTP® Trunks

EDGE8 MTP trunks utilise an 8-fibre 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 400 N of pulling tension while providing complete protection for the connectors.

EDGE8 72F MTP Trunk
| Photo REN502

Features

- Low-loss connectivity enables system design flexibility
- Enabled by bend-insensitive Corning® multimode or single-mode fibres
- Features slim round 8-fibre legs
- Tool-less installation with EDGE™ mounting clips

Ordering Information

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ L Z ☐ D ☐ ☐ ☐ ☐ M
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

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 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 Wideband 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)
0 = Pigtail
Furcation legs are colour-coded by fibre type.

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

D = 840 mm (+70/-0 mm)
Furcation legs are colour-coded by fibre type.

9 Select trunk type.

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

10 Select cable length.

002-300 metres
(1 m increments measured from furcation plug to furcation plug)

11 Defines unit of measure.

M = Metres

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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 fibres

- Features slim round 8-fibre legs

- Tool-less installation with EDGE™ mounting clips

Ordering Information

☐ ☐☐ ☐☐ ☐☐ ☐ **L Z D C X** ☐☐☐ **M**
 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 inside of reel).

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

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 Wideband 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 = Universal extender

10 Select cable length.
002-300 metres
(1 m increments measured from furcation plug to furcation plug)

11 Defines unit of measure.

M = Metres

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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 cables. 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 cables (and in 40G multimode networks), etc. The MTP adapter panel is the easiest way to implement parallel optic applications in your data centre 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-fibre 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 allowing 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	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/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 Cables

EDGE8 40G jumpers allow for the seamless migration to higher data rates. The standard configuration of EDGE8 MTP patch cords is without pins.

Features

- Features slim round 8-fibre interconnect cable
- Improved handling in high-density applications
- Low-loss connectivity enables system design flexibility
- Enabled by bend-insensitive Corning® multimode or single-mode fibres
- Dielectric, therefore no ground loop or potential equalisation issues
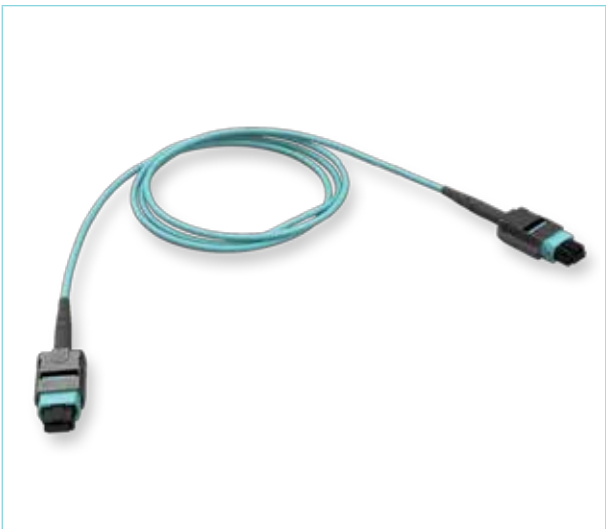
EDGE8 MTP Patch Cable
| Photo REN395

	MTP® Connector Insertion Loss	Reflectance
MTP Patch cable OM3, OM4, OM5	0.25 dB	≤ -20 dB
MTP Patch cable OS2	0.35 dB	≤ -65 dB

Ordering Information

J ☐☐ ☐☐ 0 8 ☐ E Z - N ☐ ☐ ☐☐ M
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 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 fibre 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.
- EZ = LSZH, interconnect

5 Defines patch cable.
- N = Patch cable, no furcation

6 Select patch cable polarity.
- A = Type-A polarity
- B = Type-B polarity
- *Note: For patch cable polarity, reference AEN156.*

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

8 Defines unit of measure.
- M = Metres

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

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EDGE8™ Harnesses

One of the critical challenges facing data centre 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 cables.

An EDGE8 harness is an ultra-slim 8-fibre (2.0 mm) pre-terminated fibre 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-fibre 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 Fibre Channel with duplex transmission for port mirroring, aggregation, fabric, or breakout applications.

The ultimate high-density solution for port hot spots in data centres.

Features

- Slim round 2-fibre interconnect cable

- Uniboot style duplex connectors

- Low-loss connectivity enables system design flexibility

- Designed to withstand tight bends and challenging cable routes

- MTP connector: to ANSI HIPPI-6400, IEC 61754-7, TIA/EIA-604-5 (FOCIS)

EDGE8 Staggered Harness
| Photo REN476
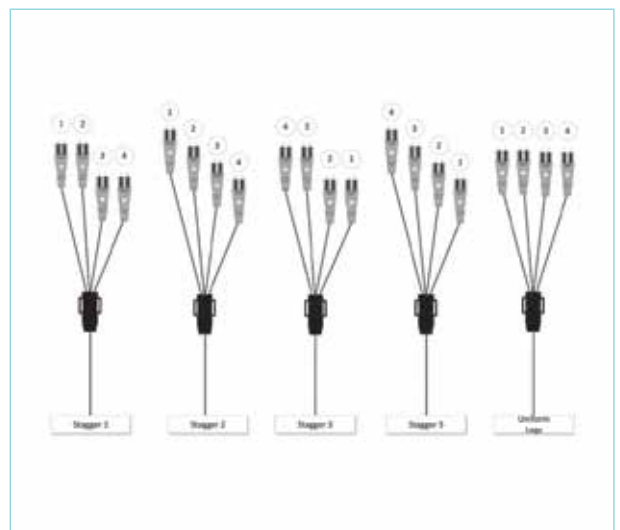
EDGE8 Staggered Harness Examples
| Photo ZA4253

EDGE8™ Solutions

EDGE8™ Direct-Connect Harness

The EDGE8 direct-connect harness is a 1x4 MTP® to LC duplex harness (one non-pinned 8-fibre MTP connector on one end, four LC duplex connectors on the other) for direct connection to electronics with LC-style ports and for use as fabric of 4 x 10G ports to a 1 x 40G port. These harnesses are uniquely wired to manage polarity within and maintain transmit-to-receive connectivity.

EDGE8 Direct-Connect Harness

Ordering Information

H ☐☐ ☐☐ 0 8 ☐ L Z - ☐ B ☐☐☐ M

1 **2** **3** **4** **5** **6** **7**

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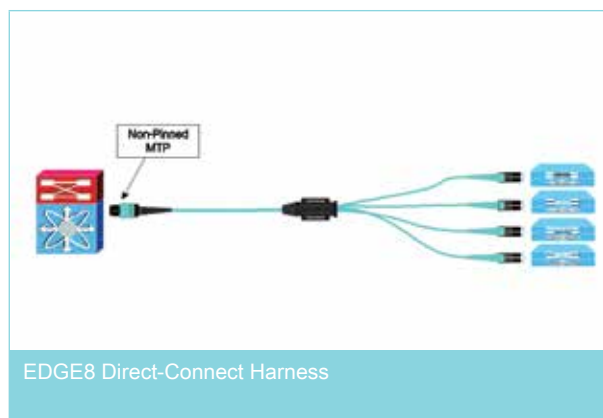
1 Select MTP connector.

E6 = MM Direct-connect Harness
E8 = SM Direct-connect Harness

2 Select the breakout connector type.

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

3 Select fibre type.

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

4 Defines cable type.

LZ = LSZH, harness

5 Select stagger type or 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 uniform
5 = Type 5 stagger
For harness stagger type, reference AEN157.

Uniform leg length is 150 mm. For longer lengths, please select from the following:
J = 300 mm (+70/-0 mm)   N = 1500 mm (+70/-0 mm)
K = 600 mm (+70/-0 mm)   P = 1800 mm (+70/-0 mm)
L = 900 mm (+70/-0 mm)   R = 2500 mm (+70/-0 mm)
M = 1200 mm (+70/-0 mm)
Furcation legs are colour-coded by fibre type.

6 Defines harness polarity.

B = Universal polarity (Type B)
*For harness polarity, reference AEN156.*

7 Select harness length.

001-006 metres
1 m increments measured from plug to MTP, does not include LC stagger.

CORNING

EDGE8™ Solutions

CORNING

EDGE8™ Trunk Harness

The EDGE8 trunk harness is designed to facilitate an interconnect point when the electronics are located in a separate area than the cross-connect or patching field. This is possible with duplex LC connectors to interface with the electronics and a non-pinned MTP® connector to connect into a trunk. This can be used in an equipment distribution area (EDA).

EDGE8 Trunk Harness
| Drawing ZA-3643
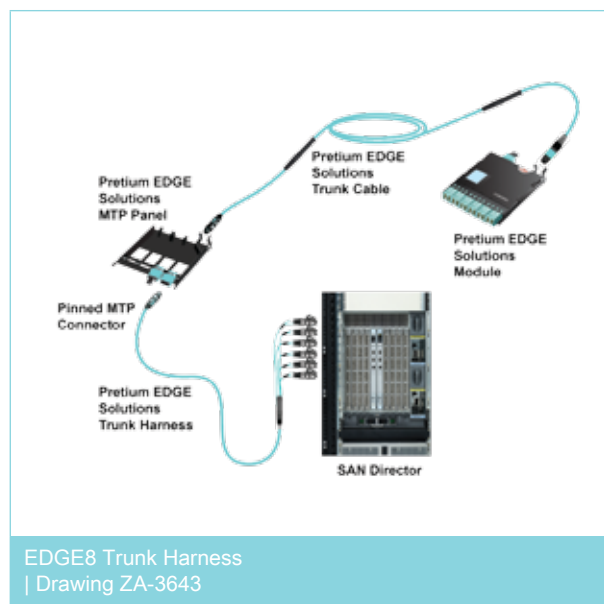
Ordering Information

H ☐☐ ☐☐ 0 8 ☐ L Z - ☐ A ☐☐☐ M
1   **2**   **3** **4** **5** **6** **7**

1 Select MTP connector.

E6 = MM trunk harness
E8 = SM trunk harness

2 Select the breakout connector type.

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

3 Select fibre type.

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

4 Defines cable type.

LZ = LSZH, harness

5 Select stagger type or 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 uniform
5 = Type 5 stagger
For harness stagger type, reference AEN157.

Uniform leg length is 150 mm. For longer lengths, please select from the following:
J = 300 mm (+70/-0 mm)   N = 1500 mm (+70/-0 mm)
K = 600 mm (+70/-0 mm)   P = 1800 mm (+70/-0 mm)
L = 900 mm (+70/-0 mm)   R = 2500 mm (+70/-0 mm)
M = 1200 mm (+70/-0 mm)
Furcation legs are colour-coded by fibre type.

6 Defines harness polarity.

A = Polarity A
Note: For harness polarity, reference AEN156.

7 Select harness length.

001-006 metres
Note: Measured in 1 m increments from plug to MTP, does not include LC stagger.

CORNING

EDGE8™ Solutions

EDGE8™ Module Harness

The EDGE8 module harness is designed to create a cross-connect point near the electronics by enabling port replication. This is possible with duplex LC connectors to interface with the electronics and a pinned MTP® connector to connect into the back of a module. With port replication, your installation will look the same even after multiple moves, adds, and changes (MACs). This can be used in a horizontal distribution area (HDA).

EDGE8 Module Harness
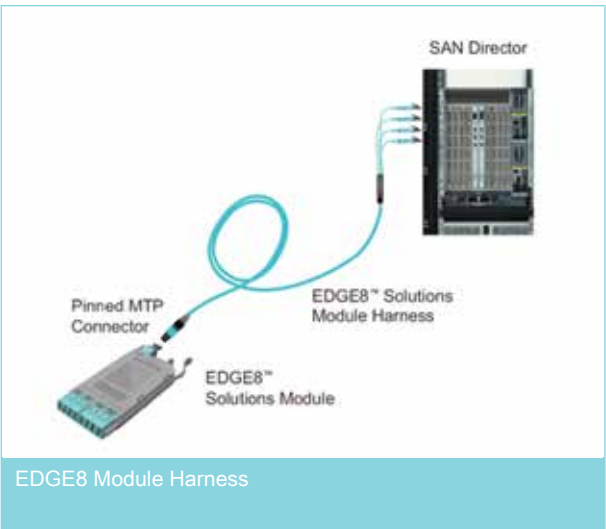
Ordering Information

H ☐☐ ☐☐ 0 8 ☐ L Z - ☐ B ☐☐☐ M
  1 **2**   **3** **4** **5** **6** **7**

1 Select MTP connector.

E5 = MM Module harness
E7 = SM Module harness

2 Select the breakout connector type.

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

3 Select fibre type.

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

4 Defines cable type.

LZ = LSZH, harness

5 Select stagger type or 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 uniform
5 = Type 5 stagger
For harness stagger type, reference AEN157.

Uniform leg length is 150 mm. For longer lengths, please select from the following:
J = 300 mm (+70/-0 mm)   N = 1500 mm (+70/-0 mm)
K = 600 mm (+70/-0 mm)   P = 1800 mm (+70/-0 mm)
L = 900 mm (+70/-0 mm)   R = 2500 mm (+70/-0 mm)
M = 1200 mm (+70/-0 mm)
Furcation legs are colour-coded by fibre type.

6 Defines harness polarity.

B = Universal polarity (Type B)
Note: For harness polarity, reference AEN156.

7 Select harness length.

001-006 metres
Note: Measured in 1 m increments from plug to MTP, does not include LC stagger.
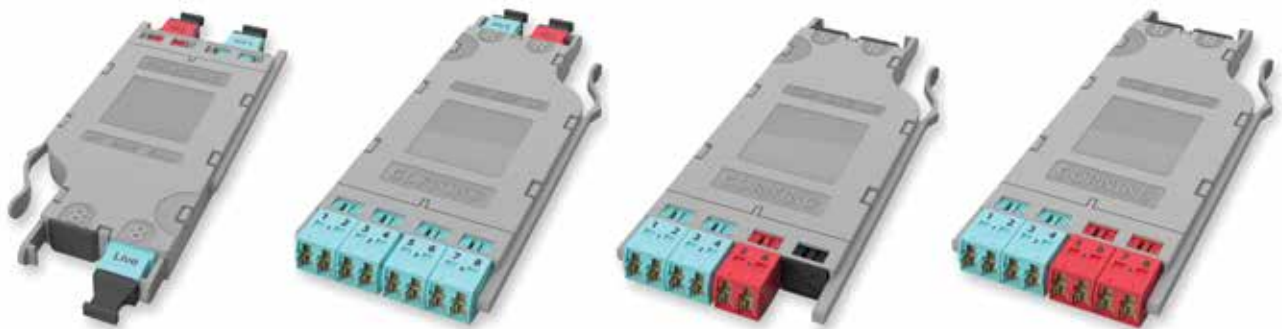
EDGE8™ Solutions

EDGE8™ Tap Modules

EDGE8 tap modules enable passive optical tapping of the network while reducing downtime and link loss, and increase rack space 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 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 utilisation of rack space.

EDGE8 Tap Modules - MTP to MTP, MTP to LC, LC to LC, BiDi
| Photo REN1535, REN1527, REN1519, REN1543

CORNING

# EDGE8™ Solutions

CORNING

EDGE8™ MTP® to MTP Tap Modules / Configuration C

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, where the pinless "Tap" MTP adapter is on the front of the tap module, enables simple patch management of the monitoring links via the patching zone at the front of the rack.

The back-of-module configuration, where the pinless "Tap" MTP adapter is on the rear of the tap module, allows for remote monitoring away from the main data center infrastructure.
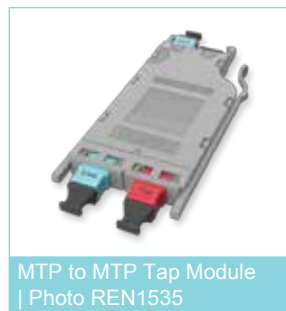
MTP to MTP Tap Module | Photo REN1535

BiDi Tap Module | Photo REN1531

Multimode 50/125 OM4

Part Number	Description	Split Ratio Live/Tap	Link Live MTP - Live MTP	Link Live MTP - TAP MTP
ETM8-50C-Q	EDGE8™ TAP Module MTP-MTP	50/50	4.30 dB	4.30 dB
ETM8-50C-Q-R	EDGE8™ TAP Module MTP-MTP and Rear Tap	50/50	4.30 dB	4.30 dB
ETM8-70C-Q-PREM	EDGE8™ TAP Module Premium MTP-MTP	70/30	2.40 dB	6.40 dB
ETM8-70C-Q-R-PREM	EDGE8™ TAP Module Premium MTP-MTP and Rear Tap	70/30	2.40 dB	6.40 dB
ETM8-80C-Q-PREM	EDGE8™ TAP Module Premium MTP-MTP	80/20	1.90 dB	7.90 dB
ETM8-80C-Q-R-PREM	EDGE8™ TAP Module Premium MTP-MTP and Rear Tap	80/20	1.90 dB	7.90 dB

Single-mode

Part Number	Description	Split Ratio Live/Tap	Link Live MTP - Live MTP	Link Live MTP - TAP MTP
ETM8-50C-G	EDGE8™ TAP Module MTP-MTP	50/50	4.20 dB	4.20 dB
ETM8-50C-G-R	EDGE8™ TAP Module MTP-MTP and Rear Tap	50/50	4.20 dB	4.20 dB
ETM8-70C-G	EDGE8™ TAP Module MTP-MTP	70/30	2.80 dB	6.50 dB
ETM8-70C-G-R	EDGE8™ TAP Module MTP-MTP and Rear Tap	70/30	2.80 dB	6.50 dB
ETM8-80C-G	EDGE8™ TAP Module MTP-MTP	80/20	2.00 dB	8.50 dB
ETM8-80C-G-R	EDGE8™ TAP Module MTP-MTP and Rear Tap	80/20	2.00 dB	8.50 dB
ETM8-90C-G	EDGE8™ TAP Module MTP-MTP	90/10	1.40 dB	12.50 dB
ETM8-90C-G-R	EDGE8™ TAP Module MTP-MTP and Rear Tap	90/10	1.40 dB	12.50 dB

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EDGE8™ Solutions

CORNING

EDGE8™ MTP® to LC Tap Modules / Configuration B

EDGE8 MTP to LC tap modules have a "live" pinned MTP adapter (aqua for multimode; blue for single-mode) and a "tap" pinned 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 50/125 OM4

Part Number	Description	Split Ratio Live/Tap	Link Live LC - Live MTP	Link Live LC - TAP MTP	Link Live MTP - Live LC	Link Live MTP - TAP MTP
ETM8-50B-Q	EDGE8™ TAP Module MTP-LC	50/50	4.15 dB	4.15 dB	4.15 dB	4.30 dB
ETM8-70B-Q-PREM	EDGE8™ TAP Module Premium MTP-LC	70/30	2.25 dB	6.25 dB	2.25 dB	6.40 dB
ETM8-80B-Q-PREM	EDGE8™ TAP Module Premium MTP-LC	80/20	1.75 dB	7.75 dB	1.75 dB	7.90 dB

Single-mode

Part Number	Description	Split Ratio Live/Tap	Link Live LC - Live MTP	Link Live LC - TAP MTP	Link Live MTP - Live LC	Link Live MTP - TAP MTP
ETM8-50B-G	EDGE8™ TAP Module MTP-LC	50/50	4.10 dB	4.10 dB	4.10 dB	4.20 dB
ETM8-70B-G	EDGE8™ TAP Module MTP-LC	70/30	2.70 dB	6.40 dB	2.70 dB	6.50 dB
ETM8-80B-G	EDGE8™ TAP Module MTP-LC	80/20	1.90 dB	8.40 dB	1.90 dB	8.50 dB
ETM8-90B-G	EDGE8™ TAP Module MTP-LC	90/10	1.30 dB	12.40 dB	1.30 dB	12.50 dB

CORNING

EDGE8™ Solutions

CORNING

EDGE8™ LC to LC Tap Modules / Configuration A

EDGE8 tap modules for traditional LC duplex systems enable customers to manage the monitoring access points via the patch cable 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.

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) and aqua (for multimode). The red LC adapters enable monitoring on the application side.

LC to LC Tap Module | Photo REN1512

LC to LC Tap Module | Photo REN1519

BiDi Tap Module | Photo REN1536

BiDi Tap Module | Photo REN1543

Multimode 50/125 OM4

Part Number	Description	Split Ratio Live/Tap	Link Live LC - Live LC	Link Live LC - TAP LC
ETM8-50A-Q	EDGE8™ TAP Module LC-LC	50/50	4.00 dB	4.00 dB
ETM8-50A-Q-BD	EDGE8™ TAP Module BiDi LC-LC	50/50	4.00 dB	4.00 dB
ETM8-70A-Q-PREM	EDGE8™ TAP Module Premium LC-LC	70/30	2.10 dB	6.10 dB
ETM8-80A-Q-PREM	EDGE8™ TAP Module Premium LC-LC	80/20	1.60 dB	7.60 dB

Single-mode

Part Number	Description	Split Ratio Live/Tap	Link Live LC - Live LC	Link Live LC - TAP LC
ETM8-50A-G	EDGE8™ TAP Module LC-LC	50/50	4.00 dB	4.00 dB
ETM8-70A-G	EDGE8™ TAP Module LC-LC	70/30	2.60 dB	6.30 dB
ETM8-80A-G	EDGE8™ TAP Module LC-LC	80/20	1.80 dB	8.30 dB
ETM8-90A-G	EDGE8™ TAP Module LC-LC	90/10	1.20 dB	12.30 dB

CORNING

EDGE8™ Solutions

CORNING

EDGE8™ MTP® to MTP Tap Harness

EDGE8 MTP to MTP 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 | Photo LAN9316

Ordering Information

H ☐☐ ☐☐ 08 ☐ LZ - ☐ B ☐☐☐ M
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 MTP connector (to electronics - each MTP connector has 4 fibres).
E6 = MTP 8F (non-pinned) MM
E8 = MTP 8F (non-pinned) SM

3 Select fibre type.
Q = 50 µm multimode (OM4)
V = 50 µm Wideband 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.
B = Type-B polarity

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

8 Defines unit of measure.
M = Metres

EDGE8™ Solutions

EDGE8™ MTP® to LC Tap Harness

EDGE8 MTP 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.

EDGE8 MTP to LC Tap Harness
| Photo LAN9317

Ordering Information

H [1] [1] [2] [2] 0 8 [3] L Z - [4] B [6] [7] [7] [7] M [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 fibre type.

Q = 50 µm multimode (OM4)
V = 50 µm Wideband 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.

B = Type-B polarity

7 Select harness length.

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

8 Defines unit of measure.

M = Metres

CORNING

EDGE8™ Solutions

EDGE8™ Modules

EDGE8 modules provide the interface between the MTP® connector on the trunk and the LC duplex patch cables 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.
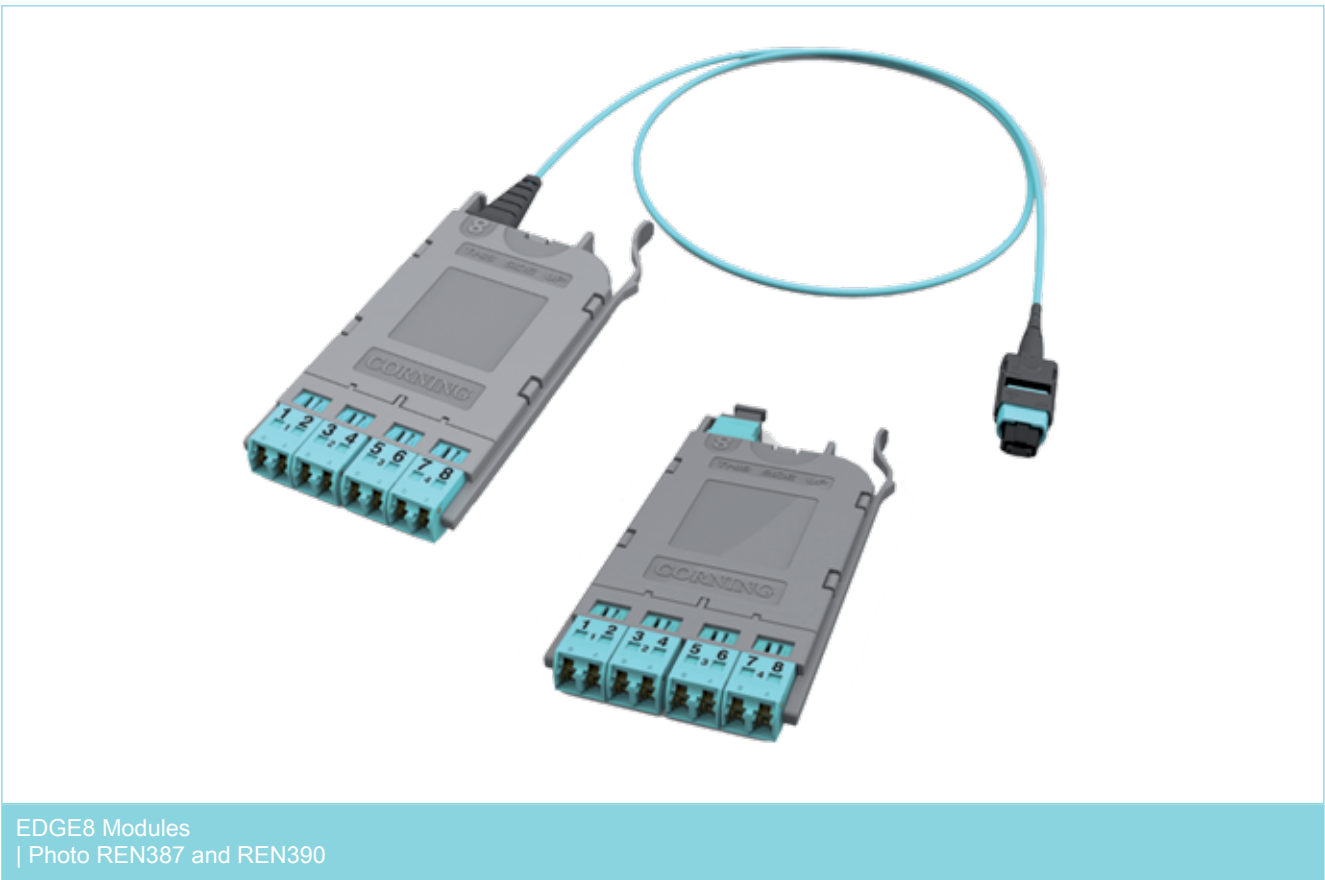
EDGE8 Modules
| Photo REN387 and REN390

Optical Performance

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

EDGE8™ Solutions

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 based on universal polarity ensures 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).

EDGE8 MTP to LC Duplex Module
| Photo REN389

Features

- Breaks out 8-fibre 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 fibre 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 fibre 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

Part Number	Adapter Type Front	Adapter Colour Front	Adapter Type Back	Fibre Category
ECM8-UM08-04-E8G-ULL	Shuttered LC Duplex	Blue	MTP	SM (OS2)
ECM8-UM08-05-E6Q-ULL	Shuttered LC Duplex	Turquoise	MTP	50 µm MM (OM4)
ECM8-UM08-05-E6V-ULL	Shuttered LC Duplex	Turquoise	MTP	50 µm MM (OM5)

Note: Other options are available upon request.

EDGE8™ Solutions

EDGE8™ Port Breakout Module

The EDGE8 port breakout module provides simple disaggregation from a QSFP transceiver port on the active electronics to 4x LC duplex connectors for use in a main distribution area (MDA).

Typically, the MTP® tail will connect to the active electronics and breaks out the 8-fibre QSFP 40G transceiver into 4x 2-fibre 10G LC duplex connections.

Features

- Breaks out 8-fibre 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 fibre 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 fibre identification with visual fault locator (VFL)
  - diffuse VFL light for eye safety

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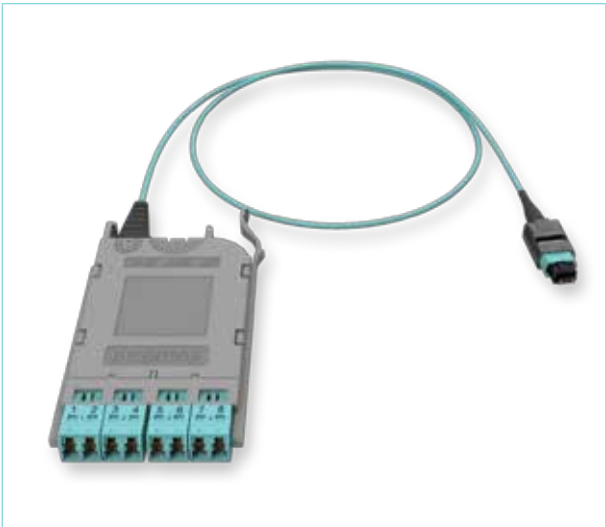
EDGE8 Port Breakout Module
| Photo REN390

Ordering Information

E C M 8 - ▢▢ ▢▢ - ▢ E Z ▢ - ▢▢▢ M

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 fibre type.
Q = 50 µm multimode (OM4)
V = 50 µm Wideband multimode (OM5)
G = Single-mode (OS2)

4 Defines cable type.
EZ = LSZH, interconnect

5 Select polarity.
A = Type-A polarity
B = Type-B polarity

6 Select cable length.
001-025 metres
1 m increments measured from furcation plug to furcation plug.

7 Defines unit of measure.
M = Metres

Note: Other options are available upon request.

CORNING

EDGE8™ Solutions

EDGE™ Base-8 MTP® to LC Duplex Module

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

Please note that the EDGE Base-8 module is for use in standard EDGE housings where Base-8 is being deployed in conjunction with EDGE8 trunks. This module will not fit into EDGE8 housings.

EDGE Base-8 MTP to LC Duplex Module
| Photo REN1409

Features

- Breaks out 8-fibre 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 fibre 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 fibre 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

Ordering Information

E C M 1 2 - U M 0 8 - ☐☐ - ☐☐☐ - U L L

1 (UM) | **2** (08) | **3** | **4** | **5**

1 Defines polarity.
UM = Universal polarity

2 Defines fibre count.
08 = 8 fibres

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

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

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EDGE8™ Solutions

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LC Duplex Uniboot Patch Cables

Reverse polarity uniboot duplex patch cables allow for the quick and easy conversion from a TIA-568 A-B polarity to a TIA-568 A-A polarity without exposing the fibres or needing any tools. This patch cable comes with a straight-through polarity from the factory, but you can convert it to a flipped cable with no tools. This uniboot design allows one cable to carry both fibres, reducing the cable bulk when routing.

Features

- Slim round dielectric 2-fibre interconnect cable

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

- Withstands tight bends and challenging cable routes
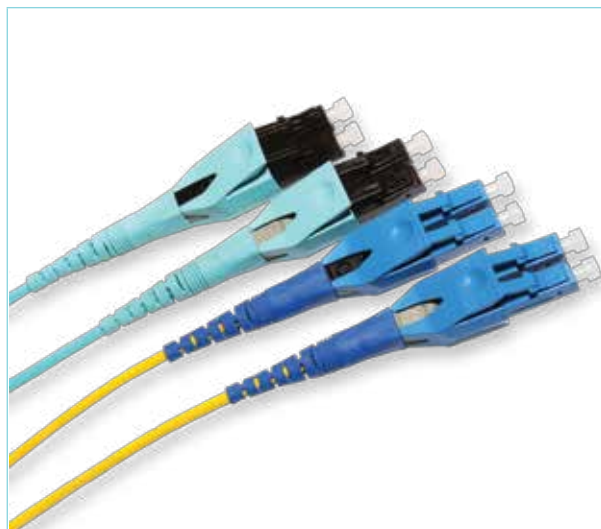
Reverse Polarity Uniboot Duplex Patch Cables
| Photo LAN2223

Optical Performance

	LC Connector Insertion Loss	Reflectance
LC Patch Cable OM3, OM4, OM5	0.1 dB	≤ -20 dB
LC Patch Cable OS2	0.25 dB	≤ -58 dB

Ordering Information

E ☐☐ ☐☐ 0 2 ☐ N Z 2 0 ☐☐☐ M

1 Select connector one type.
79 = LC duplex multimode (OM3/OM4)
78 = LC duplex single-mode (OS2)

2 Select connector two type.
79 = LC duplex multimode (OM3/OM4)
78 = LC duplex single-mode (OS2)

3 Select fibre type.
T = 50 µm multimode (OM3)
Q = 50 µm multimode (OM4)
V = 50 µm Wideband multimode (OM5)
G = Single-mode (OS2)

4 Select cable length in metres.
Standard lengths are 001, 002, 003, 004, 005, 006, 007, and 010

Note: Additional lengths and plenum-rated jackets are available upon request.

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EDGE8™ Solutions

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Reverse Polarity LC Duplex Clips

All reverse polarity uniboot LC duplex connectors come with a clip that is removable. We offer a total of 10 colours to allow for easy link identification or fabric segmentation.

EDGE Reverse Polarity Uniboot LC Duplex Clips
| Photo LAN2254

Ordering Information

TRIGGER - BP - U ☐
1

1 Select colour.
N = Blue
R = Red
E = Orange
B = Black
G = Green
Y = Yellow
K = Beige
P = Rose
C = Slate
A = Turquoise

Note: Must order in multiples of 100.

CORNING

EDGE8™ Solutions

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 UPC 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	
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	
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	
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	

EDGE8™ Solutions

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Trunk Accessories

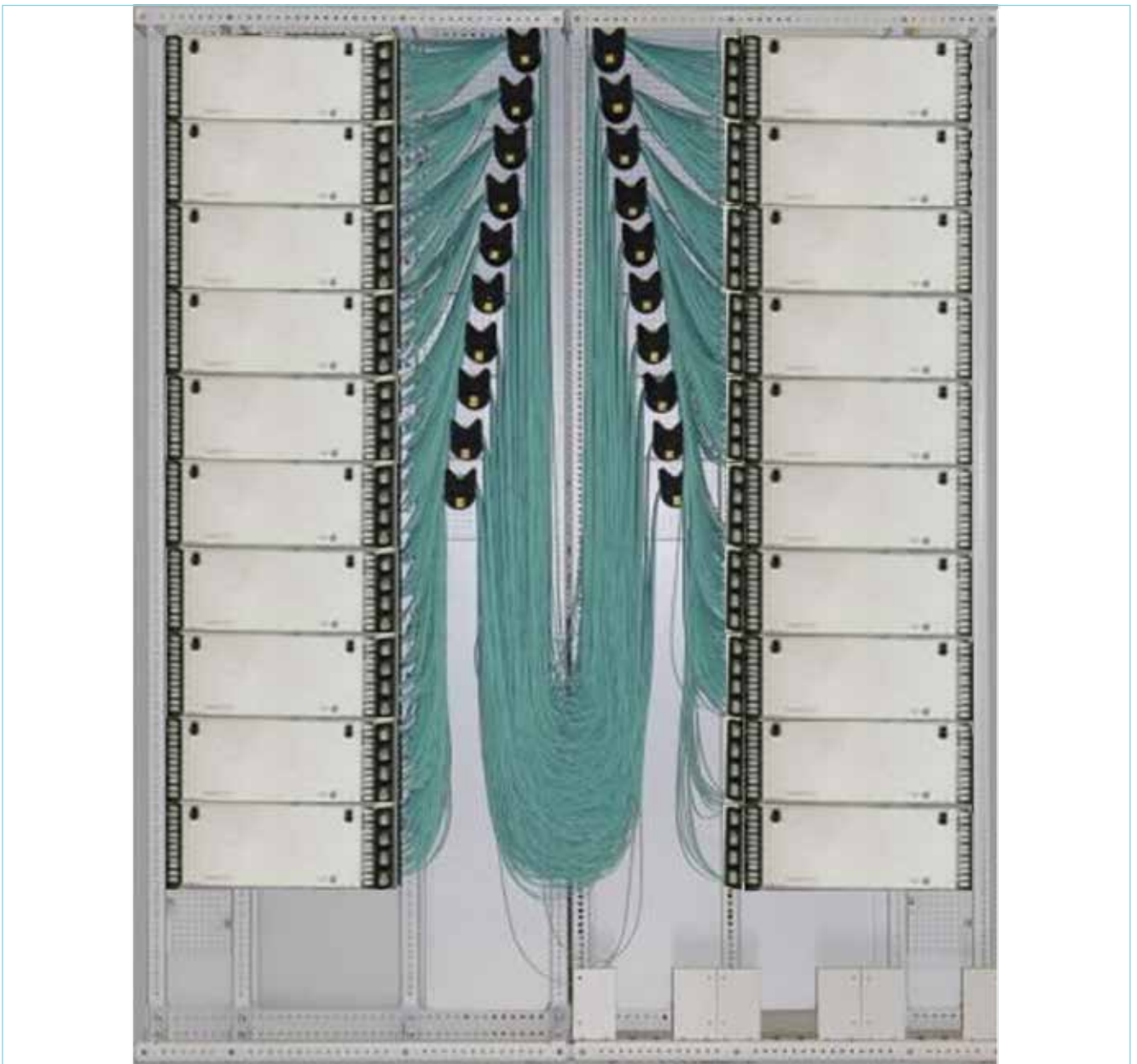| Part Number	Product Description	Units Per Delivery	
EDGE-CDF-RJ04-BKT	EDGE™ Solutions Strain-Relief Bracket, CDF, accommodating four EDGE solutions clip parking positions	1/1	
EDGE-CDF-RJ08-BKT	EDGE™ Solutions Strain-Relief Bracket, CDF, accommodating eight EDGE solutions clip parking positions	1/1	
EDGE-CDF-RJ12-BKT	EDGE™ Solutions Strain-Relief Bracket, CDF, 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	
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	

CORNING

EDGE8™ Solutions

MDA/Cross-Connect Accessories

Part Number	Product Description	Units Per Delivery	
CABRKT2209PGNA	EDGE™ Optical Distribution Frame Single Door and Side Wall Kit (Left or Right)	1/1	
EDG-CAB2-R2218NNRAB	EDGE™ Optical Distribution Dual-Frame Door 2200 mm (H) x 1800 mm (W) x 600 mm (D)	1/1	
CAB4KT2218PGN	EDGE™ Optical Distribution Dual-Frame Door and Side Wall Kit, 2200 mm (H) x 1800 mm (W) x 600 mm (D)	1/1	
EDG-CAB-R2209NNRAB	EDGE™ Optical Distribution Frame Single Left Cable Management 2,200 mm (H) x 900 mm (W) x 600 mm (D)	1/1	
EDG-CAB-R2209NNLAB	EDGE™ Optical Distribution Frame Single Right Cable Management 2,200 mm (H) x 900 mm (W) x 600 mm (D)	1/1	

EDGE8™ Solutions

EDGE™ Dual Frame

Designed with simplicity in mind the EDGE Dual Frame can support up to 5,760 LC Duplex or MTP Ports. The system works by using one cable hub per 4U housing but there is no need to order multiple lengths of patch cables as the system has been designed to use just one, 4 m patch cable. The gravity free loop created by the multiple patches supports the installation or removal of a single cable in less than 2 minutes irrespective of cable route. Several cable entry options and trunk & cable slack storage options on the rear the frame supports Ultra-High-Density deployments in a compact footprint and additional accessories compliment the frame including cable routing channels, doors and side panels for improved containment and security.

EDGE8™ Solutions

CORNING