CORNING

Data Centre
Core Products EMEA

Data Centres

Specifying, purchasing, and installing your data centre has never been easier. To reduce the time and effort you spend on your infrastructure, we have compiled this guide to provide you with at-a-glance ordering information for our most popular products as well as innovative resources we've created to help save you time and money — because products are only part of what it takes to make your data centre successful.

As a leading global company, we work hard to make sure these great products are on the shelves of our distributors, ready for purchase when you need them ... supported by our FastShip programme.

To learn more, visit us at
corning.com/emea/en/data-centre

Bill-of-Materials Tool

Time is money; don't spend more time than necessary creating your bills of materials.

Now it's easier than ever to choose the fibre optic and shielded copper products you need for your local area network or data centre. Simply select the products you need, modify the bill of materials as needed, and save it on your own computer. You can even email the final file to your preferred distributor for a price quote, or to a colleague for reference.

Download the free tool, and transform the way you work!
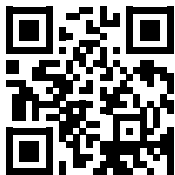
Corning's Fast Programmes

FastShip

In stock and ready to ship in 72 hours!

Product availability is critical to your installations, and quick access to the materials you need can make or break a project. Our FastShip programme for fibre optic and copper solutions for data centres and storage area networks quickly supports your day-to-day work like moves, adds, and changes.

The FastShip programme flag indicates which part numbers are available for shipment within 72 hours of purchase order confirmation. And if you need products even faster, expedited service is available on request.*

For more information, contact Corning Customer Care at 00800 2676 4641 or cc.emea@corning.com.

FastConnect

Select made-to-order products in two weeks!

Can't find what you need in stock with our authorised distributors in EMEA? Selected items of our core products for data centres and storage area networks (SANs) are available for quick order and shipment through our FastConnect programme.

This "made-to-order" programme provides shipping within two weeks upon receipt of your purchase order at Corning. To see which items are available, please contact Corning Customer Care.*

This flag next to a product number denotes it is available under the FastShip/FastConnect programme.

*Terms and conditions apply. Please visit http://opcomm.corning.com/fast for further details.

You say challenge.
We say opportunity.
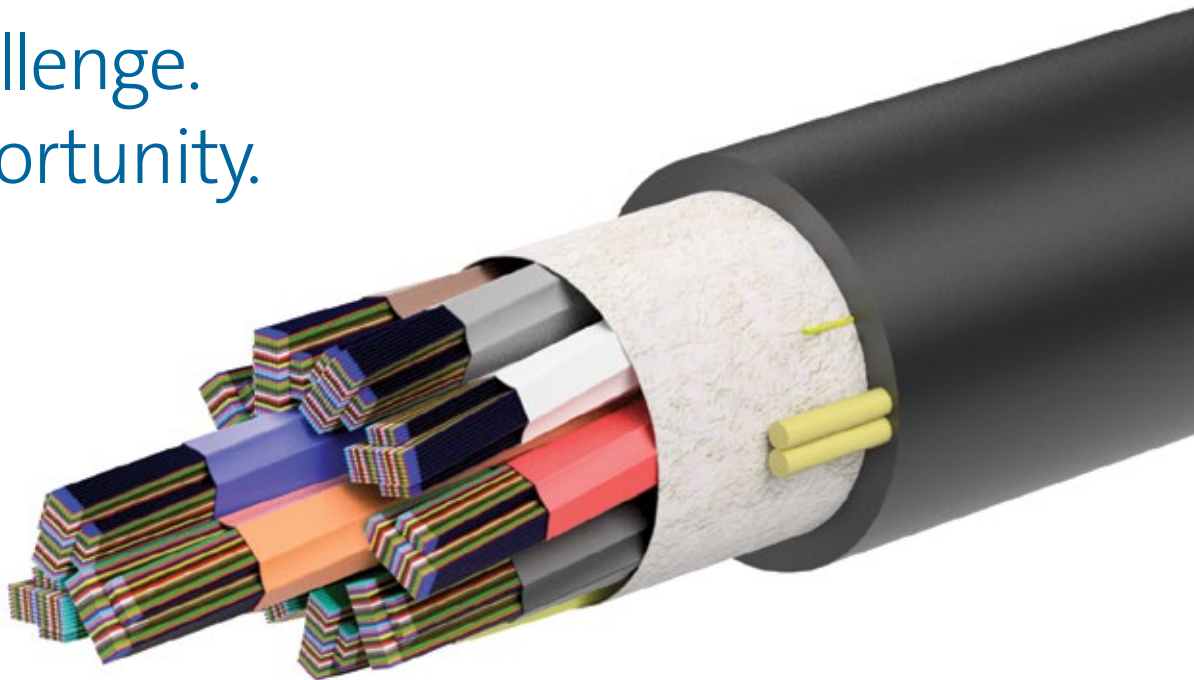
Corning® RocketRibbon™ Extreme-Density Cables

Can your network support emerging 5G technology, where high-fibre availability is critical? We created RocketRibbon extreme-density cables, designed for data centre and telecom applications, to help meet your network-performance challenges.

Experience industry-leading density from a cable that is also easy to manage, identify, and trace. And suddenly, your network challenges may feel more like opportunities.

Are you future-ready?

Visit **corning.com/en/rocketribbon** to learn more about our cabling solution for emerging network requirements.

Corning takes care of the cleaning process for you!

As a leader in optical fibre and connectivity, Corning understands the value of clean connectors. That's why we developed a new factory cleaning and sealing process, Corning® CleanAdvantage™ technology, ensuring a pristine end face upon first use for all our EDGE™ and EDGE8® solutions. So, go ahead and uncap that CleanAdvantage connector and connect with confidence.

Save up to **17%** install time
No need for cleaning or visual inspection before the first install.

Save up to **95%** on consumables
No cleaning pens, cassettes, and wipes necessary.

Minimises debris transfer
Reduces the risk of debris transfer on the end face, minimises signal degradation.

EDGE™
EDGE8®

Standardised offering
High density paired with high performance at no extra cost.

Learn more at **corning.com/cleanadvantage/emea**

Transmission Performance/Insertion Loss

	OM3/OM4	OS2
Optical Fibre Type (µm)	50 Multimode	Single-mode
Wavelength (nm)	850	1310/1550
Maximum Attenuation (dB/km)	2.8	0.4/0.3
Minimum Effective Modal Bandwidth (EMB) (MHz•km)	2000/4700	–/–

Maximum Insertion Loss (dB) for Connector Pairs	LC	MTP®
OM3/OM4 EDGE™ and Plug & Play™	0.15	0.35
OM3/OM4 EDGE8® and EDGE ULL	0.10	0.25
OS2 EDGE and Plug & Play	0.50	0.75
OS2 EDGE8 and EDGE ULL	0.25	0.35

Ethernet Data Rate	Nomenclature	Fibre Type	Maximum Channel Insertion Loss (dB)	Maximum Link Length (m)
1G	1000BASE-SX	OM3	4.5	1000
10G	10GBASE-SR	OM3/OM4	2.6/2.34	300/550
40G	40GBASE-SR4	OM3/OM4	1.9/1.5	100/150
100G	100GBASE-SR10	OM3/OM4	1.9/1.5	100/150

Fibre Channel Data Rate	Nomenclature	Fibre Type	Maximum Channel Insertion Loss (dB)	Maximum Link Length (m)
4 Gb/s	400-M5E-SN-1 400-M5F-SN-1	OM3 OM4	2.88 3.02	380 420
8 Gb/s	800-M5E-SN-1 800-M5F-SN-1	OM3 OM4	2.19 2.22	150 190
16 Gb/s	1600-M5E-SN-1 1600-M5F-SN-1	OM3 OM4	1.95 1.97	100 125

Fibre Channel and Ethernet Derating Tables

4G, 8G, 10G, and 16G Fibre Channel Distance Capability and Channel Insertion Loss 12 Fibre MTP® Connectivity						
Corning Fibre Solutions	Data Rate Gb/s	Number of MTP® Connections Distance (m)/Channel Insertion Loss (dB)				
		2	3	4	5	6
Laser-Optimised 50/125 µm OM3	4	500/2.26	480/2.45	460/2.47	440/2.62	420/2.78
	8	215/1.40	205/1.62	195/1.71	185/1.86	175/2.03
	10*	320/3.45	320/3.45	320/3.45	320/3.01	320/3.01
	16	140/1.17	135/1.35	120/1.54	115/1.65	110/1.81
	32	85/1.33	85/1.33	85/1.33	85/1.33	80/1.57
Laser-Optimised 50/125 µm OM4	4	600/2.64	580/2.78	560/2.76	540/2.88	520/3.00
	8	270/1.59	265/1.73	245/1.85	235/2.00	225/2.14
	10*	485/2.45	485/2.45	475/2.52	470/2.89	470/2.89
	16	190/1.31	180/1.49	165/1.62	155/1.78	145/1.93
	32	135/1.00	130/1.18	125/1.37	120/1.54	120/1.54

1G, 10G, 40G, and 100G Ethernet Distance Capability and Channel Insertion Loss 12 Fibre MTP Connectivity						
Corning Fibre Solutions	Data Rate Gb/s	Number of MTP Connections Distance (m)/Channel Insertion Loss (dB)				
		2	3	4	5	6
Laser-Optimised 50/125 µm OM3	1	1100/4.14	1000/4.68	1000/4.68	1000/4.68	950/4.89
	10*	320/3.45	320/3.45	320/3.45	320/3.01	320/3.01
	40/100†	145/1.00	140/1.16	130/1.38	125/1.51	125/1.51
	100‡	85/1.48	85/1.45	85/1.40	85/1.38	80/1.64
Laser-Optimised 50/125 µm OM4	1	1100/4.51	1100/4.51	1050/4.76	1050/4.76	1000/4.97
	10*	485/2.45	485/2.45	475/2.52	470/2.89	470/2.89
	40/100†	195/1.07	185/1.29	170/1.50	150/1.54	145/1.62
	100‡	135/1.09	130/1.29	125/1.46	125/1.46	120/1.61

*Assume 10GBASE-SR SFP+ compliant transceivers
†802.3ba 100G 10G/lane
‡802.3bm 100G 25G/lane

1G to 400G Migration

Choose a cabling infrastructure that will support current and future requirements.

1G to 400G Migration Path for Data Centre Infrastructures								
Data Rate	Trunk Cable	1G	10G	40G (BiDi or WDM)	40G Parallel	40G Extended Reach	100G (SR4)	400G
Number of Fibres		2	2	2	8	8	8	32/16/8
EDGE8® (Base-8)		🟩	🟩	🟩	🟩	🟩	🟩	🟩
EDGE™ (Base-12)		🟩	🟩	🟩	🟩	🟨	🟨	🟨
Plug & Play™ (Base-12)		🟩	🟩	🟩	🟩	🟨	🟨	🟨
Connectivity Interface		LC	LC	LC	MTP®	MTP	MTP	MTP

🟩 *Requires no cabling upgrade*
🟨 *67% fibre utilisation or requires use of conversion modules*

# To Bend or Not To Bend? Not Much of a Question

Fibre Optic Cables

Did you know? Corning® ClearCurve® bend-insensitive OM3/OM4 multimode fibres offer outstanding transmission performance in fibre optic cabling systems. ClearCurve fibres are the world's first laser-optimised multimode fibres to withstand tight bends at or below 7.5 mm radius with substantially less signal loss than traditional multimode fibres, while being fully standards compliant and backward compatible.

ClearCurve optical fibre is a key element to ensure operational reliability when designing custom-engineered components, thanks to the significant reduction in macrobend loss even in the most challenging bend scenarios. This allows us to provide significantly greater density across the range, combined with simple design and integration for LAN and SAN areas within the data centre, while the pre-terminated components allow for reduced installation time and faster moves, adds, and changes (MACs).

Corning® SMF-28® Ultra optical fibre is an ITU-T recommendation G.652.D compliant optical fibre. Utilising our enhanced low-loss and bend-fibre technologies, this full-spectrum fibre has bend performance that exceeds the ITU-T recommendation G.657.A1 standard. SMF-28 Ultra fibre offers industry-leading specifications for attenuation, macrobend loss and polarisation mode dispersion values, which provide a solid foundation for new network deployments as well as upgrades to existing networks.

Since bringing the first fibre to the market more than 40 years ago, our leadership in single-mode fibre innovation has been unparalleled.

Recommended Standards for Multimode Fibre According to ITU or IEC

Mandrel Dimensions
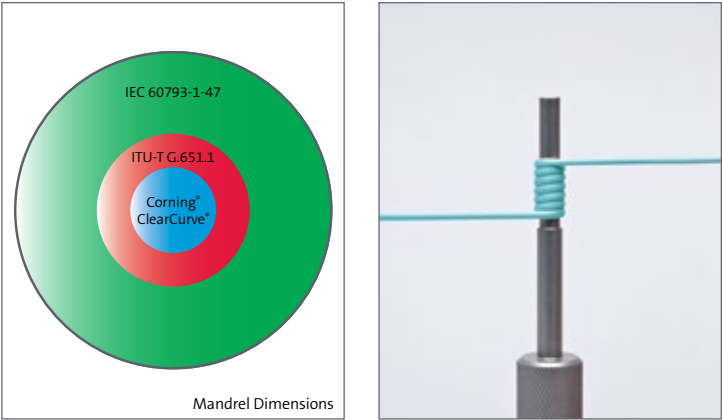
The IEC 60793-1-47 Standard			
Mandrel Radius	Number of Turns	Maximum Attenuation at 850 nm	Maximum Attenuation at 1300 nm
37.5 mm	100	< 0.5 dB	< 0.5 dB

The ITU-T G.651.1 Standard			
Mandrel Radius	Number of Turns	Maximum Attenuation at 850 nm	Maximum Attenuation at 1300 nm
15 mm	2	< 1.0 dB	< 1.0 dB

Corning® ClearCurve® Multimode Standard*			
Mandrel Radius	Number of Turns	Maximum Attenuation at 850 nm	Maximum Attenuation at 1300 nm
37.5 mm	100	< 0.15 dB	< 0.15 dB
15 mm	2	< 0.1 dB	< 0.3 dB
7.5 mm	2	< 0.2 dB	< 0.5 dB

*There is no specification for multimode fibres with bending radii up to 7.5 mm

Parallel Optic Systems

Build your solution for parallel optic solutions on MTP® Base-8 or Base-12 fibre systems (1/10/40/100G multimode or 1/10/40/100G single-mode) by following the simple steps outlined below.

	EDGE8® Solutions	EDGE™ Solutions	Plug & Play™ Systems
1 Housing	4U up to 288 MTP® ports (Base-8) with 2,304 fibres	4U up to 288 MTP ports (Base-12) with 3,456 fibres	4U up to 144 MTP ports (Base-12) with 1,728 fibres
2 Trunks	8,16,24,32,48,72, and 96 fibres	12, 24, 48, 72, 96, and 144 fibres	12, 24, 48, 72, 96, and 144 fibres
3 Adapter Panels	8, 16, 24, and 32 Fibre Adapter Panel	12, 24, and 72 Fibre Adapter Panel	72, 96, and 144 Fibre Adapter Panel
4 Patch Cables	MTP without Pin – MTP without Pin	MTP without Pin – MTP without Pin MTP with Pin – MTP without Pin MTP with Pin – MTP with Pin	MTP without Pin – MTP without Pin MTP with Pin – MTP without Pin MTP with Pin – MTP with Pin

Duplex Optic Systems

Build your solution for duplex systems (1/10/40G multimode or 1/10/40/100G single-mode) by following the simple steps outlined below.

	EDGE8® Solutions	EDGE™ Solutions	Plug & Play™ Systems
1 Housing	 4U Breaks Out 288 MTP® ports (Base-8) with 2,304 fibres up to 1,152 LC duplex connections	 4U Breaks Out 288 MTP ports (Base-12) with 3,456 fibres up to 1,728 LC duplex connections	 4U Breaks Out 144 MTP ports (Base-12) with 1,728 fibres up to 864 LC duplex connections
2 Trunks	 8,16,24,32,48,72, and 96 fibres	 12, 24, 48, 72, 96, and 144 fibres	 12, 24, 48, 72, 96, and 144 fibres
3 Adapter Panels	 EDGE8 Adapter Panel	 EDGE Adapter Panel	 Plug & Play Adapter Panel
4 Harness Cables	 EDGE8 Harness, 8 fibres	 EDGE Harness, 12 fibres OR	 Plug & Play Harness, 12 fibres

Duplex Optic Systems

Build your solution for duplex systems (1/10/40G multimode or 1/10/40/100G single-mode) by following the simple steps outlined below.

	EDGE8® Solutions	EDGE™ Solutions	Plug & Play™ Systems
1 Housing	4U up to 288 LC duplex ports with 576 fibres	4U up to 288 LC duplex ports with 576 fibres	4U up to 144 LC duplex ports with 288 fibres
2 Trunks	8,16,24,32,48,72, and 96 fibres	12, 24, 48, 72, 96, and 144 fibres	12, 24, 48, 72, 96, and 144 fibres
3 MTP® to LC Duplex Modules	Module 8 Fibres	Module 12 Fibres	Module 24 Fibres
4 Patch Cables	LC Duplex – LC Duplex Uniboot	LC Duplex – LC Duplex Uniboot OR SC Duplex – LC Duplex Uniboot	

EDGE8® Solutions Contents

EDGE8® Solutions/
  EDGE8 Housings

EDGE8® Solutions

This is an overview of the EDGE8® solution, to learn more, please visit: corning.com/emea/en/edge8

Rotatable Strain-Relief Plate
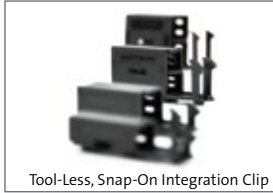
Tool-Less, Snap-On Integration Clip

EDGE8 FSS Download

Base-8 Pinned Trunk

Adjustable Mounting Bracket

Patch Cables Routing Guides

Top and Bottom Parking Locations

EDGE8® Harness

Reverse Polarity Uniboots

Grey Colour and Imprinted "8"

Port Breakout Module

4-Port MTP® to MTP Panel
with shuttered adapters
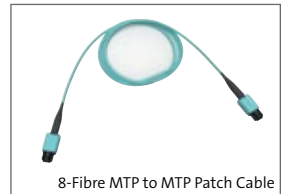
8-Fibre MTP to MTP Patch Cable

EDGE8® 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 housings includes sliding drawers ena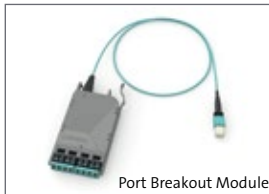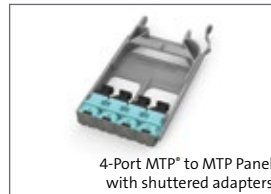bling module or panel installation from the front or rear of the housing. Each sliding drawer contains integrated cable routing elements to support effective patch cable management while providing unprecedented finger access without the need for tools or other accessories. The mounting and removal of trunks is a simple, quick, and tool-less operation enabling rapid deployment of high-fibre-count trunks for faster moves, adds, and changes (MACs).

EDGE8® Housings				
Description	Maximum Capacity EDGE8 Module	Maximum Capacity MTP® Panel (Base-8)	Catalogue Number	
19-in 4U EDGE8 Housing with 12 separate sliding trays	288 x LC duplex ports (576 fibre)	288 x MTP ports (2,304 fibre)	EDGE8-04U	
19-in 1U EDGE8 Housing with 3 separate sliding trays	72 x LC duplex ports (144 fibre)	72 x MTP ports (576 fibre)	EDGE8-01U-SP	

EDGE8® Trunks/
EDGE8 MTP® Adapter Panels

EDGE8® Trunks

EDGE8® MTP® trunks are pre-terminated cables with ultra-low-loss 8-fibre MTP connectors with pins on both ends. Pinning the trunks allows for a single, pinless patch cable deployment for all installations, reducing stocking and deployment complexity. The trunks build up the major skeleton of the passive network infrastructure and, thanks to the superior design containing Corning® ClearCurve® fibre, they 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 all EDGE™ solutions (EDGE and EDGE8) and Plug & Play™ systems housings.

EDGE8® Trunks			
Fibre Type	OM3	OM4	OS2
Cable Colour	Aqua	Aqua	Yellow
Fibre Count	Catalogue Number	Catalogue Number	Catalogue Number
8	GE5E508TLZDDUxxx.xM*	GE5E508QLZDDUxxx.xM	GE7E708GLZDDUxxx.xM
16	GE5E516TLZDDUxxx.xM	GE5E516QLZDDUxxx.xM	GE7E716GLZDDUxxx.xM
24	GE5E524TLZDDUxxx.xM	GE5E524QLZDDUxxx.xM	GE7E724GLZDDUxxx.xM
32	GE5E532TLZDDUxxx.xM	GE5E532QLZDDUxxx.xM	GE7E732GLZDDUxxx.xM
48	GE5E548TLZDDUxxx.xM	GE5E548QLZDDUxxx.xM	GE7E748GLZDDUxxx.xM
72	GE5E572TLZDDUxxx.xM	GE5E572QLZDDUxxx.xM	GE7E772GLZDDUxxx.xM
96	GE5E596TLZDDUxxx.xM	GE5E596QLZDDUxxx.xM	GE7E796GLZDDUxxx.xM

*Select the trunk length (plug-to-plug): replace xxx.x with 002-300.5; M = metre, Trunks can be ordered in 0.5 m increments, The first letter of the part code denotes the pulling grip type:
 G = grip on first end, D = grip on both ends, Z = no grip
 For additional fibre counts up to 288 F, please check the online catalogue.

🚩 For select items under the FastShip/FastConnect Programmes, please contact Corning Customer Care at 00800 2676 4641 or cc.emea@corning.com.

EDGE8® MTP® Adapter Panels

EDGE8® adapter panels are a pass-through panel with a single row of MTP® adapters available in 1-,2-,3-, or 4-port variants. The backbone trunks connect at the rear of the adapters, providing various options at the front from end-to-end links with patch cables or harness solutions or as a cross-connect in the main distribution area (MDA). The MTP adapter panel is the easiest way to implement a parallel optic application in your data centre whilst retaining the existing hardware. All EDGE8 adapter panels can be installed from the front or the rear of any EDGE8 hardware using a simple release mechanism, negating the need for any special tools.
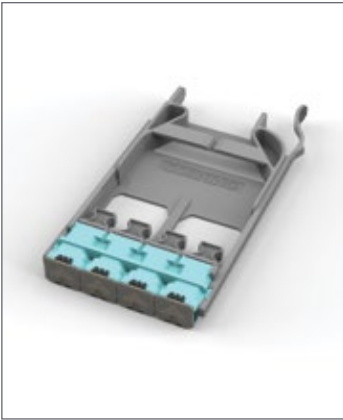
EDGE8® MTP® Adapter Panels		
Fibre Type	OM4	OS2
MTP Adapters	Catalogue Number	Catalogue Number
1	EDGE8-CP08-V3	EDGE8-CP08-V1
2	EDGE8-CP16-V3	EDGE8-CP16-V1
3	EDGE8-CP24-V3	EDGE8-CP24-V1
4	EDGE8-CP32-V3 ⚑	EDGE8-CP32-V1 ⚑

EDGE8® Universal Modules/
EDGE8 Port Breakout Modules

EDGE8® Universal Modules

EDGE8® modules provide the interface between the MTP® connector on the EDGE8 trunk and the LC duplex patch cables that will connect directly to the electronics or as a cross-connect in the main distribution area (MDA). The internal wiring follows the universal wiring scheme to ensure the correct fibre polarity is maintained throughout the system independent of how many modules are utilised within the link. Ultra-low-loss performance of the module allows for multiple connections without compromising the tight loss budgets associated with higher-speed applications, permitting longer links than specified by the standards. Specially designed shutters ensure the end face of the connectors are never touched and replace the standard dust caps that, typically removed, are never replaced. In addition, the shutters are visual fault locator (VFL) compatible to allow easy port identification whilst diffusing the VFL light to ensure adequate eye safety.
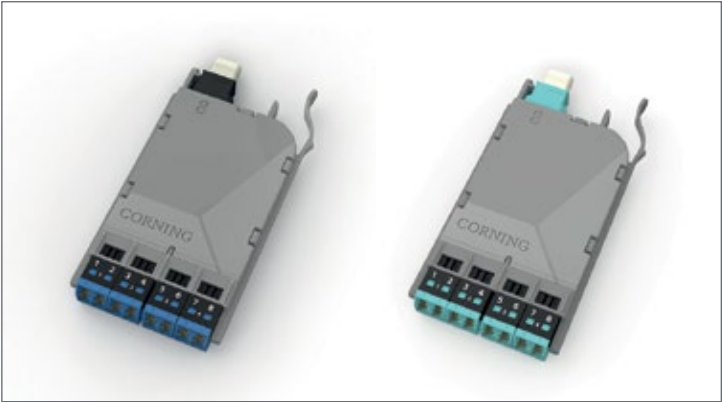
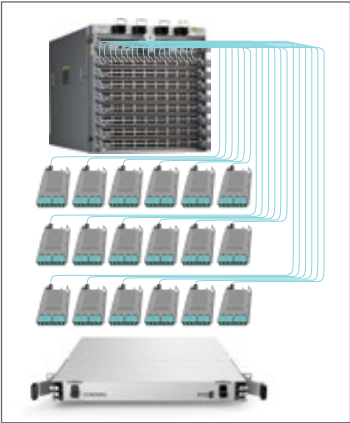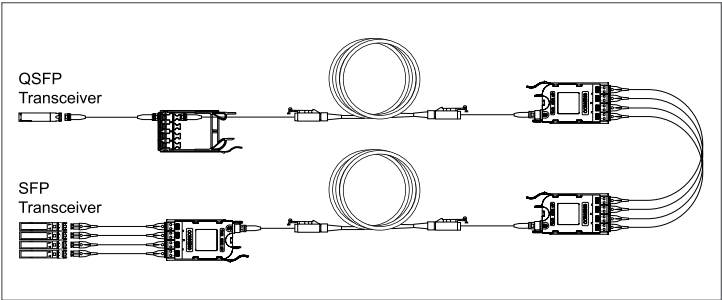| EDGE8® Universal Modules			
Fibre Type	OM4	OS2	Fibre Type
Connector Type	Catalogue Number	Catalogue Number	Adapter Colour Front
PC	ECM8-UM08-05-E6Q-ULL 🏴	–	Aqua
UPC	–	ECM8-UM08-04-E8G-ULL 🏴	Blue

EDGE8® Port Breakout Modules

EDGE8® port breakout modules are designed to provide additional flexibility and space savings to the system whilst utilising the cost saving benefits of disaggregating a single 40G QSFP port into four 10G SFP+ ports. Deploying 40G QSFP ports and port breakout modules in the MDA can reduce the number of chassis and line cards by two-thirds when compared to 10G SFP+ ports for additional savings in density and power requirements.

In this example, each row of QSFP ports (18) can be replicated by a single 1U EDGE8-SP housing.

| EDGE8® Port Breakout Modules			
Fibre Type	OM4	OS2	Fibre Type
Connector Type	Catalogue Number	Catalogue Number	Adapter Colour Front
PC	ECM8-05E6-QEZB-xxx.xM*	–	Aqua
UPC	–	ECM8-04E7-GEZB-xxx.xM	Blue

*Select the module length (tip-to-tip): replace xxx.x with 000.5-025.5; M = metre
 Modules can be ordered in 0.5 m increments

EDGE8® Harnesses/
EDGE8 MTP® Patch Cords

EDGE8® Harnesses

The EDGE8® QSFP to SFP+ harness is an MTP® to four LC duplex assembly designed to disaggregate a 1 x 40G port into four LC duplex ports to benefit from the potential cost savings associated with 40G electronics. Similar to the port breakout module, an EDGE8 harness can be deployed in an equipment distribution area (EDA) to direct connect active electronics to the cabling infrastructure. Disaggregating a 1 x 40G port into four 10G ports can only be achieved through parallel optics. EDGE8 harnesses are available in both staggered and non-staggered options.

For polarity guidance, please refer to AEN 156.
For stagger selection, please refer to AEN 157.
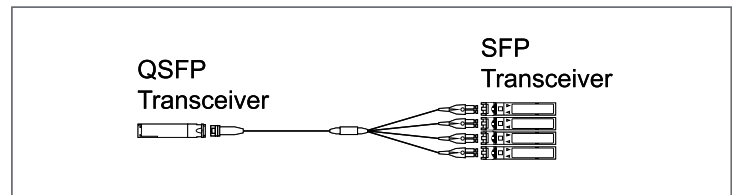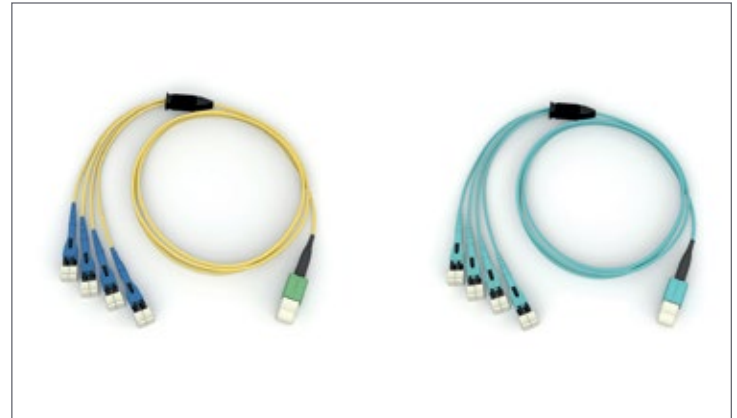
EDGE8® Harnesses		
Fibre Type	OM4	OS2
Stagger Type	Catalogue Number	Catalogue Number
1	HE67908QLZ-1Bxxx.xM*	HE87808GLZ-1Bxxx.xM
2	HE67908QLZ-2Bxxx.xM	HE87808GLZ-2Bxxx.xM
3	HE67908QLZ-3Bxxx.xM	HE87808GLZ-3Bxxx.xM
4	HE67908QLZ-4Bxxx.xM	HE87808GLZ-4Bxxx.xM
5	HE67908QLZ-5Bxxx.xM	HE87808GLZ-5Bxxx.xM

Select the harness length (tip-to-tip): replace xxx.x with 000.5-006.5; M = metre
Harnesses can be ordered in 0.5 m increments

⚑ *For select items under the FastShip/FastConnect Programmes, please contact Corning Customer Care at 00800 2676 4641 or cc.emea@corning.com.*
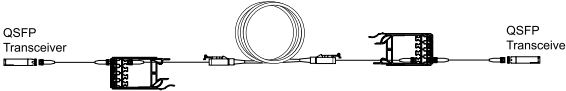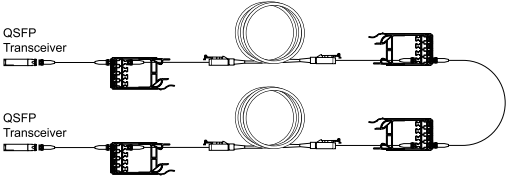
EDGE8® MTP® Patch Cords

The EDGE8® MTP® patch cords allow for a seamless migration to higher data rates in the data centre when used in conjunction with the EDGE8 pinned trunks. By pinning the trunks, we have removed the need to potentially stock three different patch cords variants for direct, interconnect, and cross-connect scenarios, meaning a pinless-to-pinless patch cord will support all installation requirements. These patch cords are wired to TIA-568 Type-B polarity as standard; however, other polarity and pin methods are available on request.

EDGE8® MTP® Patch Cables			
Fibre Type	OM3	OM4	OS2
Cable Colour	Aqua	Aqua	Yellow
Catalogue Number	JE6E608TEZ-NBxxxM*	JE6E608QEZ-NBxxxM	JE8E808GEZ-NBxxxM

Select the patch cable length (tip-to-tip): replace xxx.x with 000.5-020.5; M = metre
Patch cords can be ordered in 0.5 m increments

⚑ *For select items under the FastShip/FastConnect Programmes, please contact Corning Customer Care at 00800 2676 4641 or cc.emea@corning.com.*

Base-8 (Pinned Trunks)		
Direct-Connect	QSFP Transceiver QSFP Transceiver	→ Pinless – Pinless
Interconnect	QSFP Transceiver QSFP Transceiver	→ Pinless – Pinless
Cross-Connect	QSFP Transceiver QSFP Transceiver	→ Pinless – Pinless + Pinless – Pinless
		1 patch cord configuration

Fibre Patch Cords

Fibre Patch Cords

LC Uniboot duplex patch cords allow for a quick and easy conversion from a TIA-568 A-B polarity to a TIA-568 A-A polarity without exposing the fibres or requiring any tools. The Uniboot design allows one cable to carry both fibres, reducing the cable bulk when routing.

Duplex Fibre Patch Cords with LC and SC Connectors			
Modify Last Digits of Part Number to Needed Length, e.g. 02M for 2 metre. All Offered Fibres are Bend-Insensitive.			
Fibre Type	OM3	OM4	OS2
Description	Part Number		
1 m LC Duplex – LC Duplex Fibre Patch Cord	050502T5Z20001M	050502Q5Z20001M	040402G5Z20001M
1 m LC Duplex – SC Duplex Fibre Patch Cord	055702T5Z20001M	055702Q5Z20001M	047202G5Z20001M

Fibre Patch Cords with LC Uniboot Connectors			
Modify Last Digits of Part Number to Needed Length, e.g. 02M for 2 metre. All Offered Fibres are Bend-Insensitive.			
Fibre Type	OM3	OM4	OS2
Description	Part Number		
1 m LC Duplex – LC Duplex Uniboot Fibre Patch Cord	E797902TNZ20001M	E797902QNZ20001M	E787802GNZ20001M

For additional lengths and different fibre types or connector styles, please visit our online catalogue.
Length variations of 2, 3, 4, 5, and 10 m are covered in the complementary DC Core Excel List and can be viewed here:

EDGE™ Solutions Contents

EDGE™ Solutions/
  EDGE Housings

EDGE™ Solutions

This is an overview of the complete EDGE™ solutions, to learn more, please visit corning.com/emea/en/edge
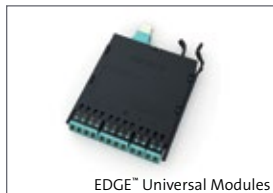
EDGE™ Universal Modules
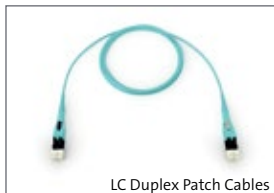
LC Duplex Patch Cables

EDGE FSS Download

MTP® Connector Patch Cables

EDGE HD Housings
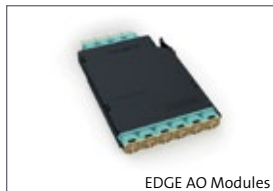
EDGE AO Modules

EDGE FX Housings

EDGE Tap Modules

Subfloor Distribution Solution

EDGE SE Splice Cassettes

EDGE Harness Types

Hybrid MTP to LC Duplex Trunks

MTP to MTP HD Trunks

Overhead Distribution on Cable Trays

EDGE™ Housings

EDGE™ HD housings mount in 19-in racks or cabinets and provide industry-leading ultra-high-density connectivity when combined with EDGE modules, panels, harnesses, trunks, and patch cables. The unique design of EDGE HD housings include sliding drawers to enable 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 whilst providing unprecedented finger access without the need for tools or any other accessories. 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).

EDGE™ Housings			
Description	Maximum Capacity EDGE Module	Maximum Capacity MTP® Panel (Base-12)	Catalogue Number
19-in 4U EDGE Housing with 12 separate sliding trays	288 x LC duplex ports (576 fibre)	288 x MTP ports (3,456 fibre)	EDGE-04U
19-in 1U EDGE Housing with 3 separate sliding trays	72 x LC duplex ports (144 fibre)	72 x MTP ports (864 fibre)	EDGE-01U-SP

EDGE™ Trunks/
EDGE Adapter Panels

EDGE™ Trunks

EDGE™ MTP® trunks are pre-terminated cables with 12-fibre MTP connectors on either side. The trunks build up the major skeleton of the passive network infrastructure, and thanks to the superior design including Corning® ClearCurve® fibres, they enable rapid deployment for your campus LAN or data centre facility. All trunks are shipped with strain-relief clips that allow tool-less installation in both EDGE solutions and Plug & Play™ systems housings.

EDGE™ Trunks			
Fibre Type	OM3	OM4	OS2
Cable Colour	Aqua	Aqua	Yellow
Fibre Count	Catalogue Number	Catalogue Number	Catalogue Number
12	G757512TLZ88Uxxx.xM*	G757512QLZ88Uxxx.xM	G909012GLZ88Uxxx.xM
24	G757524TLZ88Uxxx.xM	G757524QLZ88Uxxx.xM	G909024GLZ88Uxxx.xM
48	G757548TLZ88Uxxx.xM	G757548QLZ88Uxxx.xM	On request
72	G757572TLZ88Uxxx.xM	G757572QLZ88Uxxx.xM	On request
96	G757596TLZ88Uxxx.xM	G757596QLZ88Uxxx.xM	On request
144	G7575E4TLZ88Uxxx.xM	G7575E4QLZ88Uxxx.xM	G9090E4GLZ88Uxxx.xM

*Select the trunk length (plug-to-plug): replace xxx.x with 001 to 999; M = metre
The first letter of the part code denotes the pulling grip type: G = grip on first end, D = grip on both ends, Z = no grip
For additional fibre counts up to 576 F, please check the online catalogue.

🏳 For select items under the FastShip/FastConnect Programmes, please contact Corning Customer Care at 00800 2676 4641 or cc.emea@corning.com.

EDGE™ MTP® Adapter Panels

EDGE™ adapter panels are a pass-through patch panel with a single row of MTP® adapters. The backbone trunks connect at the rear of the adapters, with various options possible at the front, from end-to-end links with patch cable or harness solutions, or as a cross-connect used in the main distribution area (MDA). The MTP adapter panel is the easiest way to implement parallel optic applications in your data centre whilst retaining the existing hardware.

All EDGE adapter panels can be installed from the front or the rear of any EDGE hardware using a simple release mechanism negating the need for any specialised tools.

EDGE™ MTP® Adapter Panels			
Fibre Type	OM3	OM4	OS2
MTP Adapters	Catalogue Number	Catalogue Number	Catalogue Number
2	EDGE-CP24-E3	EDGE-CP24-E3	EDGE-CP24-90
4	EDGE-CP48-E3	EDGE-CP48-E3	EDGE-CP48-90
6	EDGE-CP72-U3	EDGE-CP72-U3	EDGE-CP72-U1

EDGE™ Universal Modules/
EDGE Harnesses

EDGE™ Universal Modules

EDGE™ modules provide the interface between the MTP® connector on the trunk and the LC duplex patch cords that connect directly into the electronics or as a cross-connect in the main distribution area (MDA). The internal wiring based on universal polarity ensures the correct fibre polarity throughout the entire system independent of how many modules are implemented within the link. Specially designed indents in the shutters ensure that the end faces of the connectors are never touched. In addition, the shutters are visual fault locator (VFL) compatible allowing easy port identification whilst defusing the VFL light to provide adequate eye safety.

EDGE™ Universal Modules				
Fibre Type	OM3	OM4	OS2	Fibre Type
Connector Type	Catalogue Number	Catalogue Number	Catalogue Number	Adapter Colour Front
PC	ECM-UM12-05-93T	ECM-UM12-05-93Q	–	Aqua
UPC	–	–	ECM-UM12-04-89G	Blue

EDGE™ Trunk Harness MTP® (with pins) to 6x LC Duplex

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

For polarity guidance, please refer to AEN 156.
For stagger selection, please refer to AEN 157.
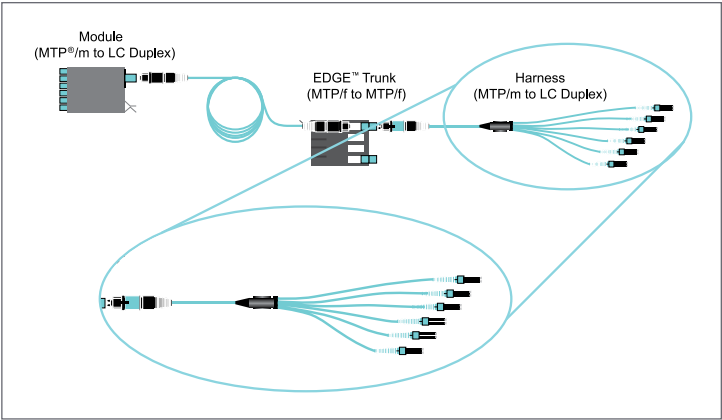
EDGE™ Trunk Harness MTP® (with pins) to 6x LC Duplex			
Fibre Type	OM3	OM4	OS2
Cable Colour	Aqua	Aqua	Yellow
Stagger Type	Catalogue Number	Catalogue Number	Catalogue Number
1	H937912TLZ-1Axxx.xM*	H937912QLZ-1Axxx.xM	H897812GLZ-1Axxx.xM
2	H937912TLZ-2Axxx.xM	H937912QLZ-2Axxx.xM	H897812GLZ-2Axxx.xM
3	H937912TLZ-3Axxx.xM	H937912QLZ-3Axxx.xM	H897812GLZ-3Axxx.xM
4	H937912TLZ-4Axxx.xM	H937912QLZ-4Axxx.xM	H897812GLZ-4Axxx.xM
5	H937912TLZ-5Axxx.xM	H937912QLZ-5Axxx.xM	H897812GLZ-5Axxx.xM

*Select the harness length (tip-to-tip): replace xxx.x with 000.5-006.5; M = metre
 Harnesses can be ordered in 0.5 m increments

🏴 For select items under the FastShip/FastConnect Programmes, please contact Corning Customer Care at 00800 2676 4641 or cc.emea@corning.com.

MTP® Patch Cords for
Parallel Optic Applications

MTP® Patch Cords for Parallel Optic Applications

EDGE™ multimode patch cords allow for the seamless migration to higher data rates in the data centre when used in conjunction with our universal trunks. This patch cable is based around pinned or non-pinned 12-fibre MTP® connectors. Pictured here are the most common applications for this type of patch cable to make ordering easier. All listed patch cords have a TIA-568 Type-B polarity.

Which polarity and configuration MTP patch cords do I need for my 40 Gigabit network?

When deploying MTP patch cords, the following applications and scenarios should be considered:

▪ Direct-connect: Connection between active parallel optic devices
▪ Interconnect: Connection from device to patch panel
▪ Cross-connect: Connection from patch panel to patch panel

Patch Cord Type	Application	Pin Option	To be Used with Trunk	Patch Cord Polarity
1	Direct-connect	Without pins – without pins	Type B (Universal)	
2	Interconnect	With pins – without pins	Type B (Universal)	Type B (Universal)
3	Cross-connect	With pins – with pins	Type B (Universal)	Type B (Universal)

Fibre Type	OM3	OM4	OS2	Fibre Type
Cable Colour	Aqua	Aqua	Yellow	Cable Colour
Patch Cord Type	Catalogue Number	Catalogue Number	Catalogue Number	Length
1	J757512TEZ-NBxxxM*	J757512QEZ-NBxxxM	J909012GEZ-NBxxxM	1 up to 20 m
2	J759312TEZ-NBxxxM	J759312QEZ-NBxxxM	J899012GEZ-NBxxxM	1 up to 20 m
3	J939312TEZ-NBxxxM	J939312QEZ-NBxxxM	J898912GEZ-NBxxxM	1 up to 20 m

*Select the patch cable length (tip-to-tip): replace NBxxxM to NB001M for 1 m up to NB020M for 20 m
 Patch cables can be ordered in 0.5 m increments

For select items under the FastShip/FastConnect Programmes, please contact Corning Customer Care at 00800 2676 4641 or cc.emea@corning.com.

MTP® Patch Cords for Parallel Optic Applications

Application: Direct-Connect

40G Parallel Transceiver

MTP®/n-p   MTP/n-p

12 F Patch Cord Type B
Array Polarity (Universal),
Jumper Version: 1
Application: Direct-Connect

40G Parallel Transceiver

Application: Interconnect

40G Parallel Transceiver

MTP/n-p   MTP/p   MTP/n-p

12 F Patch Cord Type B
Array Polarity (Universal),
Jumper Version: 2
Application: Interconnect

Plug & Play™ or EDGE™
Universal Trunk

MTP/n-p   MTP/p   MTP/n-p

12 F Patch Cord Type B
Array Polarity (Universal),
Jumper Version: 2
Application: Interconnect

40G Parallel Transceiver

Application: Interconnect and Cross-Connect

40G Parallel Transceiver

MTP/n-p

MTP/n-p   MTP/p

12 F Patch Cord Type B
Array Polarity (Universal),
Jumper Version: 2
Application: Interconnect

Plug & Play or EDGE
Universal Trunk

MTP/n-p   MTP/p

12 F Patch Cord Type B
Array Polarity (Universal),
Jumper Version: 3
Application: Cross-Connect

40G Parallel Transceiver

MTP/n-p   MTP/p   MTP/n-p

12 F Patch Cord Type B
Array Polarity (Universal),
Jumper Version: 2
Application: Interconnect

Plug & Play or EDGE
Universal Trunk

MTP/n-p   MTP/p

Fibre Patch Cords/
EDGE™ and EDGE8® Accessories

Fibre Patch Cords

LC Uniboot duplex patch cords allow for a quick and easy conversion from a TIA-568 A-B polarity to a TIA-568 A-A polarity without exposing the fibres or requiring any tools. The Uniboot design allows one cable to carry both fibres, reducing the cable bulk when routing.

Duplex Fibre Patch Cords with LC and SC Connectors			
Modify Last Digits of Part Number to Needed Length, e.g. 02M for 2 metre. All Offered Fibres are Bend-Insensitive.			
Fibre Type	OM3	OM4	OS2
Description	Part Number		
1 m LC Duplex – LC Duplex Fibre Patch Cord	050502T5Z20001M	050502Q5Z20001M	040402G5Z20001M
1 m LC Duplex – SC Duplex Fibre Patch Cord	055702T5Z20001M	055702Q5Z20001M	047202G5Z20001M

Fibre Patch Cords with LC Uniboot Connectors			
Modify Last Digits of Part Number to Needed Length, e.g. 02M for 2 metre. All Offered Fibres are Bend-Insensitive.			
Fibre Type	OM3	OM4	OS2
Description	Part Number		
1 m LC Duplex – LC Duplex Uniboot Fibre Patch Cord	E797902TNZ20001M	E797902QNZ20001M	E787802GNZ20001M

For additional lengths and different fibre types or connector styles, please visit our online catalogue.
Length variations of 2, 3, 4, 5, and 10 m are covered in the complementary DC Core Excel List and can be viewed here:

EDGE™ and EDGE8® Accessories

Description	Description	Description
EDGE™ Solutions Strain-Relief Bracket, CDF, accommodating four EDGE solutions clips	Single-Fibre Port Cleaner for LC, keyed LC, and MU connector end faces for both UPC and APC polishes	Fibre Optic Cleaning Tool for MTP® connectors
Catalogue Number	Catalogue Number	Catalogue Number
EDGE-CDF-RJ04-BKT	CLEANER-PORT-LC	2104466-01
Units per Delivery	Units per Delivery	Units per Delivery
1/1	1/1	1/1

Plug & Play™ Systems

Plug & Play™ Systems Contents

Plug & Play™ Systems

This is an overview of the Plug & Play™ systems, for more information, please refer to the Plug & Play family spec sheet.

Plug & Play™ to EDGE™ Adapter Bracket

Plug & Play Fibre Zone Box

Plug & Play FSS Download

Systems Accessory Bracket

U-Clip Strain-Relief Bracket

Hybrid Connector Trunks

MTP® Trunks

Plug & Play Modules

Plug & Play Adapter Panel

MTP High-Fibre-Count Trunks

LC Connector Patch Cables

Plug & Play Harness

MTP Connector Patch Cables

Integrated Trunk Modules

PCH Plug & Play™ Housings/
Plug & Play Trunks

PCH Plug & Play™ Housings

PCH Plug & Play™ housings mount in 19-in racks or cabinets and provide industry-leading density when combined with Plug & Play modules, panels, harnesses, trunks, and patch cables. The housings enable quick deployment of the module or panel in the housing. The PCH-M3-01U contains a sliding drawer with integrated patch cable protection and a labelling element on the rear side of the front door. The PCH-04U housing contains an integral hinged patch cable manager on the front which can be locked in the "up" position for an additional 1U of horizontal patch cable management or left in the default "down" position to provide additional capacity for patch cable routing along the top of the housing. Mounting and removal of trunks in both housings is a simple, quick, and tool-less operation enabling rapid deployment. Additional mounting brackets for trunks are shown on the accessory page.
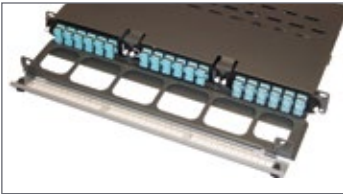
PCH Plug & Play™ Housings			
Description	Maximum Capacity Plug & Play Module	Maximum Capacity MTP® Panel (Base-12)	Catalogue Number
19-in 4U Plug & Play Housing for up to 12 Plug & Play modules or CCHE adapter panels	144 x LC Duplex Ports (288 fibre)	144 x MTP Ports (1,728 fibre)	PCH-04U
19-in 1U Plug & Play Housing for up to 3 Plug & Play modules or CCHE adapter panels	36 x LC Duplex Ports (72 fibre)	36 x MTP Ports (432 fibre)	PCH-M3-01U

Plug & Play™ Trunks

Plug & Play™ MTP® trunks are pre-terminated cables with 12-fibre MTP connectors on either side. The trunks build up the major skeleton of the passive network infrastructure, and thanks to the superior design including Corning® ClearCurve® fibres, they enable rapid deployment for your campus LAN or data centre facility. All trunks are shipped with strain-relief clips that allow for the tool-less installation in PCH Plug & Play systems housings.
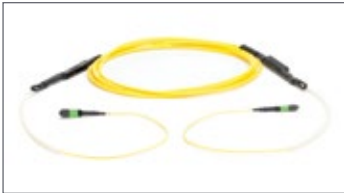
Plug & Play™ Trunks			
Fibre Type	OM3	OM4	OS2
Cable Colour	Aqua	Aqua	Yellow
Fibre Count	Catalogue Number	Catalogue Number	Catalogue Number
12	A696912TDZAAUxxxM*	A696912QDZAAUxxxM	A909012RDZAAUxxxM
24	A696924TDZAAUxxxM	A696924QDZAAUxxxM	A909024RDZAAUxxxM
48	A696948TUZAAUxxxM	A696948QUZAAUxxxM	On request
72	A696972TUZAAUxxxM	A696972QUZAAUxxxM	On request
96	A696996TUZAAUxxxM	A696996QUZAAUxxxM	On request
144	A6969E4TUZAAUxxxM	A6969E4QUZAAUxxxM	A9090E4RDZAAUxxxM

Select the trunk's length (plug-to-plug): replace xxx with 001 to 999; M = metre
The first letter of the part code denotes the pulling grip type: A = grip on first end, B = grip on both ends, N = no grip

🏴 *For select items under the FastShip/FastConnect Programmes, please contact Corning Customer Care at 00800 2676 4641 or cc.emea@corning.com.*

Plug & Play™ Universal Modules/
Plug & Play Adapter Panels

Plug & Play™ Universal Modules

Plug & Play™ modules provide the interface between the MTP® connector on the trunk and the LC duplex patch cables that connect directly into the electronics or as a cross-connect in the main distribution area (MDA). The internal wiring based on universal polarity ensures the correct fibre polarity throughout the entire system independent of how many modules are implemented within the link. Specially designed indents in the shutters ensure that the end faces of the connectors are never touched. In addition, the shutters are visual fault locator (VFL) compatible allowing easy port identification whilst defusing the VFL light to provide adequate eye safety.

Plug & Play™ Universal Modules			
Fibre Type	OM3	OM4	OM2	Fibre Type
Connector Type	Catalogue Number	Catalogue Number	Catalogue Number	Adapter Colour Front
PC	CCH-UM24-05-93T	CCH-UM24-05-93Q	–	Aqua
UPC	–	–	CCH-UM24-04-89R	Blue

Plug & Play™ Adapter Panels

Plug & Play™ adapter panels are a pass-through patch panel with a single row of MTP® adapters. The backbone trunks connect at the rear of the adapters, and then various options are possible at the front, from end-to-end links with patch cable or harness solutions, or as a cross-connect used in MDA. The MTP adapter panel is a simple way to implement parallel optic applications in your data centre whilst retaining the existing hardware. All Plug & Play adapter panels can be installed from the front or the rear of any Plug & Play hardware using a simple release mechanism, negating the need for any specialised tools.
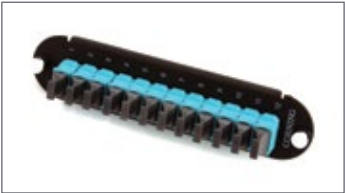
Plug & Play™ Adapter Panels			
Fibre Type	OM3	OM4	OM2
Connector Type	Catalogue Number	Catalogue Number	Catalogue Number
6x MTP®	CCHE-CP72-E3	CCHE-CP72-E3	CCHE-CP72-89
8x MTP	CCHE-CP96-E3	CCHE-CP96-E3	CCHE-CP96-89
12x MTP	CCHE-CPE4-E3	CCHE-CPE4-E3	CCHE-CPE4-89
12 LC Duplex	CCHE-CP24-E4 ⚑	CCHE-CP24-E4 ⚑	CCHE-CP24-04 ⚑

Plug & Play™ Trunk Harness MTP®/
MTP Patch Cords

Plug & Play™ Trunk Harness MTP® (with pins) to 6x LC Duplex

The Plug & Play™ trunk harness is designed to facilitate an inter-connect point when the electronics are located in a separate area from the cross-connect or patching field. The harness comes with duplex LC connectors to interface with the electronics and a pinned MTP® connector to connect into a trunk. This can be used in an equipment distribution area (EDA).

For polarity guidance, please refer to AEN 156.
For stagger selection, please refer to AEN 157.

Fibre Type	OM3	OM4	OS2
Cable Colour	Aqua	Aqua	Yellow
Stagger Type	Catalogue Number	Catalogue Number	Catalogue Number
1	H937912TLZ-1Axxx.xM*	H937912QLZ-1Axxx.xM	H897812GLZ-1Axxx.xM
2	H937912TLZ-2Axxx.xM	H937912QLZ-2Axxx.xM	H897812GLZ-2Axxx.xM
3	H937912TLZ-3Axxx.xM	H937912QLZ-3Axxx.xM	H897812GLZ-3Axxx.xM
4	H937912TLZ-4Axxx.xM	H937912QLZ-4Axxx.xM	H897812GLZ-4Axxx.xM
5	H937912TLZ-5Axxx.xM	H937912QLZ-5Axxx.xM	H897812GLZ-5Axxx.xM

*Select the harness length (tip-to-tip): replace xxx.x with 000.5-006.5; M = metre
 Harnesses can be ordered in 0.5 m increments

🏴 For select items under the FastShip/FastConnect Programmes, please contact Corning Customer Care at 00800 2676 4641 or cc.emea@corning.com.

MTP® Patch Cords for Parallel Optic Applications

Multimode patch cords allow for the seamless migration to higher data rates in the data centre when used in conjunction with our universal trunks. This patch cord is based around pinned or nonpinned 12-fibre MTP® connectors. Pictured here are the most common applications for this type of patch cord to make ordering easier. All listed patch cords have a TIA-568 Type-B polarity.

Which polarity and configuration MTP patch cord do I need for my 40 Gigabit network?

When deploying an MTP patch cord, the following applications and scenarios should be considered:
- Direct-connect: Connection between active parallel optic devices
- Interconnect: Connection from device to patch panel
- Cross-connect: Connection from patch panel to patch panel
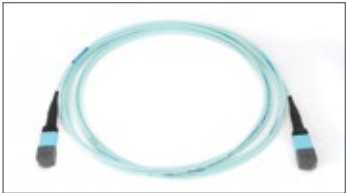
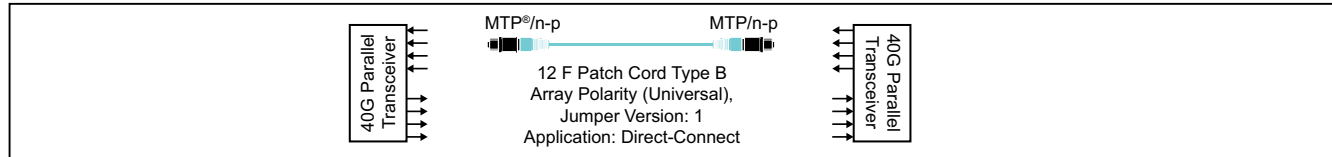| Patch Cord Type	Application	Pin Option	To be Used with Trunk	Patch Cable Polarity
1	Direct-connect	Without pins – without pins	Type B (Universal)	
2	Interconnect	With pins – without pins	Type B (Universal)	Type B (Universal)
3	Cross-connect	With pins – with pins	Type B (Universal)	Type B (Universal)

Fibre Type	OM3	OM4	OS2	Fibre Type
Cord Colour	Aqua	Aqua	Yellow	Cable Colour
Patch Cable Type	Catalogue Number	Catalogue Number	Catalogue Number	Length
1	J757512TEZ-NBxxxM*	J757512QEZ-NBxxxM	J909012GEZ-NBxxxM	1 up to 20 m
2	J759312TEZ-NBxxxM	J759312QEZ-NBxxxM	J899012GEZ-NBxxxM	1 up to 20 m
3	J939312TEZ-NBxxxM	J939312QEZ-NBxxxM	J898912GEZ-NBxxxM	1 up to 20 m

Select the patch cord length (tip-to-tip): replace NBxxxM to NB001M for 1 m up to NB020M for 20 m
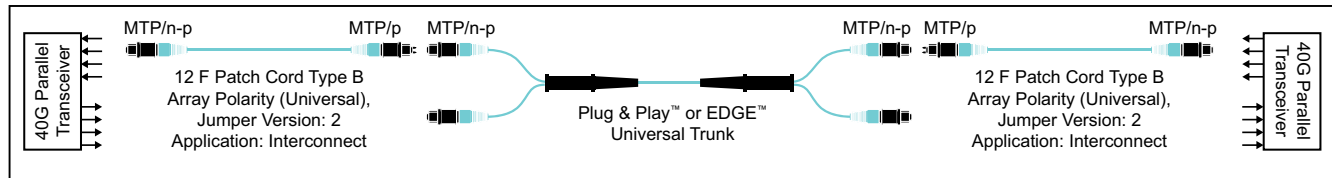*Patch cables can be ordered in 0.5 m increments*

🏁 For select items under the FastShip/FastConnect Programmes, please contact Corning Customer Care at 00800 2676 4641 or cc.emea@corning.com.

Plug & Play™ MTP® Patch Cord for Parallel Optic Applications

Application: Direct-Connect
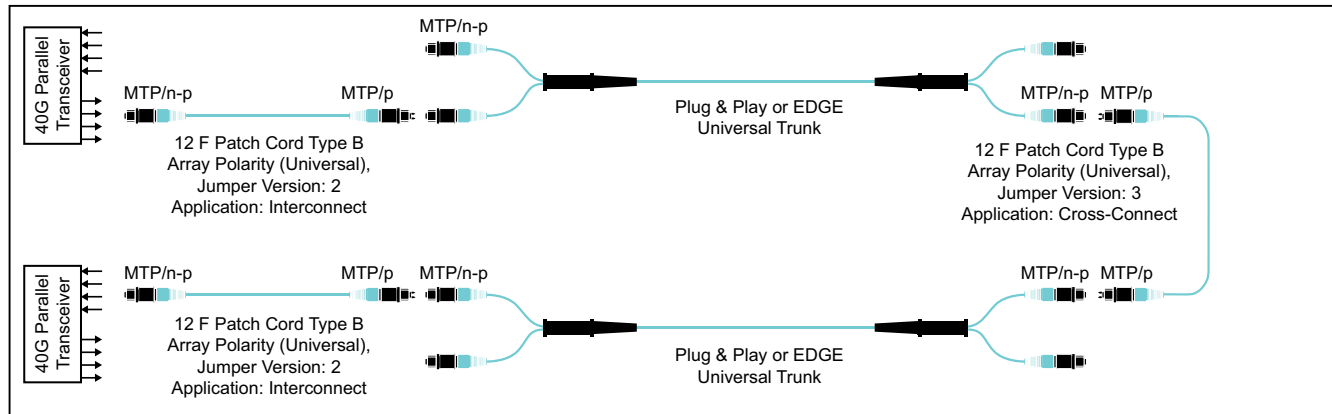
40G Parallel Transceiver

MTP®/n-p   MTP/n-p

12 F Patch Cord Type B
Array Polarity (Universal),
Jumper Version: 1
Application: Direct-Connect

40G Parallel Transceiver

Application: Interconnect

40G Parallel Transceiver

MTP/n-p   MTP/p   MTP/n-p

12 F Patch Cord Type B
Array Polarity (Universal),
Jumper Version: 2
Application: Interconnect

Plug & Play™ or EDGE™
Universal Trunk

MTP/n-p MTP/p   MTP/n-p

12 F Patch Cord Type B
Array Polarity (Universal),
Jumper Version: 2
Application: Interconnect

40G Parallel Transceiver

Application: Interconnect and Cross-Connect

40G Parallel Transceiver

MTP/n-p

MTP/n-p   MTP/p

12 F Patch Cord Type B
Array Polarity (Universal),
Jumper Version: 2
Application: Interconnect

Plug & Play or EDGE
Universal Trunk

MTP/n-p MTP/p

12 F Patch Cord Type B
Array Polarity (Universal),
Jumper Version: 3
Application: Cross-Connect

40G Parallel Transceiver

MTP/n-p   MTP/p   MTP/n-p

12 F Patch Cord Type B
Array Polarity (Universal),
Jumper Version: 2
Application: Interconnect

Plug & Play or EDGE
Universal Trunk

MTP/n-p MTP/p

Fibre Patch Cords

LC Uniboot duplex patch cords allow for a quick and easy conversion from a TIA-568 A-B polarity to a TIA-568 A-A polarity without exposing the fibres or requiring any tools. The Uniboot design allows one cable to carry both fibres, reducing the cable bulk when routing.

Duplex Fibre Patch Cords with LC and SC Connectors			
Modify Last Digits of Part Number to Needed Length, e.g. 02M for 2 metre. All Offered Fibres are Bend-Insensitive.			
Fibre Type	OM3	OM4	OS2
Description	Part Number		
1 m LC Duplex – LC Duplex Fibre Patch Cord	050502T5Z20001M	050502Q5Z20001M	040402G5Z20001M
1 m LC Duplex – SC Duplex Fibre Patch Cord	055702T5Z20001M	055702Q5Z20001M	047202G5Z20001M

Fibre Patch Cords with LC Uniboot Connectors			
Modify Last Digits of Part Number to Needed Length, e.g. 02M for 2 metre. All Offered Fibres are Bend-Insensitive.			
Fibre Type	OM3	OM4	OS2
Description	Part Number		
1 m LC Duplex – LC Duplex Uniboot Fibre Patch Cord	E797902TNZ20001M	E797902QNZ20001M	E787802GNZ20001M

For additional lengths and different fibre types or connector styles, please visit our online catalogue.
Length variations of 2, 3, 4, 5, and 10 m are covered in the complementary DC Core Excel List and can be viewed here:

Plug & Play™ Accessories/
Online Test Results

Standard Plug & Play™ Accessories

Description	Description	Description
Plug & Play™ Solutions Bracket for side installation, accommodating up to two CCH-modules or CCHE-panels	Single-Fibre Port Cleaner for LC, keyed LC, and MU connector end faces for both UPC and APC polishes	Fibre Optic Cleaning Tool for MTP® connectors
Catalogue Number	Catalogue Number	Catalogue Number
RBC-02P	CLEANER-PORT-LC	2104466-01
Units Per Delivery	Units Per Delivery	Units Per Delivery
1/1	1/1	1/1

Description	Description	Description
Plug & Play Solutions Strain-Relief Bracket for PCH-4U housings, accommodating up to three Plug & Play solutions clips	Plug & Play Solutions Strain-Relief Bracket, accommodating up to six Plug & Play solutions clips	Plug & Play Solutions Strain-Relief Bracket, accommodating one Plug & Play solutions clip
Catalogue Number	Catalogue Number	Catalogue Number
PC4-RJ04-STR	CDF-RJ06-BKT	CDF-RJ-BKT
Units Per Delivery	Units Per Delivery	Units Per Delivery
1/1	1/1	1/1

To view test reports for your Plug & Play™ universal systems and EDGE™ solutions equipment, please visit:
https://customer3.corning.com/ftoedge/default.aspx
Simply follow the instructions as shown on the screen shot below.
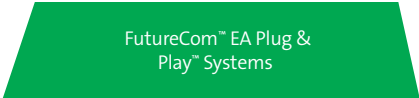
CORNING

Fibre Test and Orientation Reporting

To view test reports of Plug & Play™ universal systems and EDGE™ solutions modules, trunks, harnesses, and uniboot jumpers:

1. Locate the serial number on the product. To see where this is located, click here.
2. Type the serial number in the search bar and click Search. Your report will be provided in PDF format.
3. Having problems finding your results? Try these troubleshooting tips.

Serial Number:

[   ]

(Search)   (Reset)

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FutureCom™ EA Plug &
Play™ Systems

FutureCom™ EA & Plug & Play™ Systems Contents

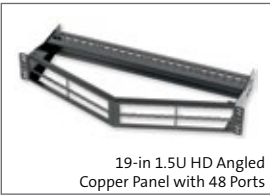# FutureCom™ EA Plug & Play™ Systems

This is an overview of the FutureCom™ EA Plug & Play™ systems, but not all products are listed in the core catalogue. To learn more, please refer to the FutureCom Plug & Play website.
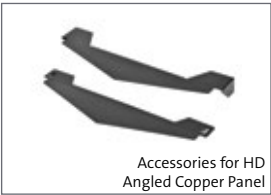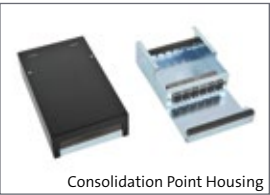

19-in 1U Copper Panel with 24 Ports
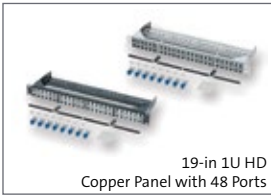
19-in 1U HD
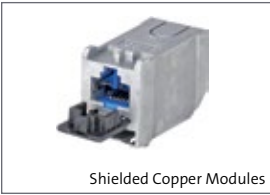Copper Panel with 48 Ports

19-in 1.5U HD Angled
Copper Panel with 48 Ports

Accessories for HD
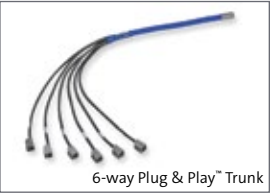Angled Copper Panel

Consolidation Point Housing

Shielded Copper Modules

Shielded Patch Cables

Shielded Copper Cables

6-way Plug & Play™ Trunk

CP Patch Cables

12-way Multiport Clamp

12-way Switch Port
Cables with Clamp

16-way Multiport Clamp

6-way CP Patch Cables

PCH Plug & Play™ Housings/
Plug & Play Trunks

FutureCom™ EA Panels

FutureCom™ EA patch panels are universal for all 19-in cabinet installations. They are available in black or stainless steel and are intended for flush-mounting installations. This concept allows a high-density solution for the application of choice in your data centre. Installation of the module in the panel is quick and easy and simply clicks into place.
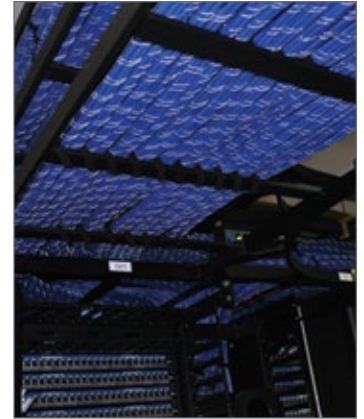
Data Centre Hardware				
Description	Colour	Maximum Capacity	Rack Units	Catalogue Number
19-in LANscape® Solutions Panel, empty	Silver	24 x slots	1U	WAXWSV-02400-C001
19-in LANscape Solutions Panel, empty	Black	24 x slots	1U	WAXWSV-02408-C001
19-in Angled LANscape Solutions Panel, empty	Silver	24 x slots	1U	WAXWOV-02400-C001
19-in Angled LANscape Solutions Panel, empty	Black	24 x slots	1U	WAXWOV-02408-C001
19-in High-Density LANscape Solutions Panel, empty	Silver	48 x slots	1U	CAXASV-04800-C001
19-in High-Density LANscape Solutions Panel, empty	Black	48 x slots	1U	CAXASV-04808-C001
19-in High-Density Angled LANscape Solutions Panel, empty	Silver	48 x slots	1,5U	WAXWOV-04800-C001
19-in High-Density Angled LANscape Solutions Panel, empty	Black	48 x slots	1,5U	WAXWOV-04808-C001

WAXWSV-02408-C001   WAXWOV-02400-C001   CAXASV-04800-C001   WAXWOV-04808-C001

FutureCom™ EA Plug & Play™ Trunks

The FutureCom™ EA Plug & Play™ cabling systems are terminated with modules or connectors and is specified for applications up to 500 MHz. The combination of high-end copper cable with pre-terminated connectivity provides high-system margins for the complete cable link according to Class EA. The advantages of a preassembled system cable include reduced assembly costs, reduced installation time, the elimination of assembly mistakes, and consistent high quality.

FutureCom™ EA 6-Way Plug & Play™ Trunks							
Solution	Links	Catalogue Number	Description	Core Characteristics	Side A	Side B	Category
EA Trunk	6	CCAADA-F2673-AXXX-C0	FutureCom EA Plug & Play Solution, Cat. 6$_A$	FRNC	S500	S500	6$_A$
Example	6	CCAADA-F2673-A150-C0	FutureCom EA, 6-way, Cat. 6$_A$, Plug & Play, trunk. 6 x 4 pair with overall LSZH™ sheath, both ends terminated with S500 Cat. 6$_A$ modules, 15 m long	Highest flexibility Smallest diameter Lowest fire rate			
EA Trunk	6	CCAABA-F2673-AXXX-C0	FutureCom EA Plug & Play Solution, Cat. 6$_A$	FRNC	S500	S500	6$_A$
Example	6	CCAABA-F2673-A150-C0	FutureCom EA, 6-way Plug & Play trunk, 6 x 4 pair AWG26 with overall LSZH sheath, both ends terminated with S500 Cat. 6$_A$ modules, 15 m long	Meets EN 50575 - Cca-s1a,d2,a1	Limited to 60 m		
EA Trunk	6	CCAADB-FI673-AXXX-C0	FutureCom EA Plug & Play Solution, Cat.6$_A$	FRNC	S500	S500	6$_A$
Example	6	CCAADB-FI673-A050-C0	FutureCom EA, 6-way Plug & Play trunk, 24 pair AWG23 with overall LSZH sheath, both ends terminated with S500 Cat. 6$_A$ modules, 5 m long	Meets EN 50575 - B2ca-s1a,d1,a1	Limited to 80 m		

FutureCom EA Simplex Plug & Play Trunks							
Solution	Links	Catalogue Number	Description	Core Characteristics	Side A	Side B	Category
EA Trunk	1	CCAADB-F2073-AXXX-C0	FutureCom EA Plug & Play Solution, Cat. 6$_A$	FRNC	S500	S500	6$_A$
Example	1	CCAADB-F2073-A150-C0	FutureCom EA, simplex, S/FTP, Cat. 6$_A$, Plug & Play trunk. Single S/FTP, both ends terminated with S500 Cat. 6$_A$ modules, 15 m long	Good flexibility Low fire rate			
EA Trunk	1	CCAAGB-F1072-AXXX-C0	FutureCom EA Plug & Play Solution, Cat. 6$_A$	FRNC	S500	S500	6$_A$
Example	1	CCAAGB-F1072-A050-C0	FutureCom EA, simplex, flex S/FTP, Cat. 6$_A$, Plug & Play trunk. Single flex S/FTP cable (high-flexibility patch cable), one end terminated with an S500 Cat. 6$_A$ module and the other with an RJ45 jack	High flexibility Low fire rate			

FutureCom™ EA Modules/
FutureCom EA Cables

FutureCom™ EA Modules

The FutureCom™ EA cabling solution is based on the S500 module offering high-system margins for the transmission of digital data signals, compliant with Class EA and is fully supported by power-over-Ethernet Plus (PoE+). The integrated, flexible dust cover may be easily removed, if desired, and serves as protection for unused ports. Different cable routing for various installation challenges is possible with the variable cable entry for 0 degrees and 90 degrees.

Copper Termination Modules				
Solution	Type	Description	Category	Catalogue Number
FutureCom™ EA	S500	Corning FutureCom EA S500 Cat. 6_A Module, 1 x RJ45 Cat. 6_A, shielded, with dust cover, LANscape® solutions footprint	6_A	CAXASM-00104-C001
FutureCom EA	S500	Corning FutureCom EA S500 Cat. 6_A Flex Module, 1 x RJ45 Cat. 6_A, shielded, with dust cover, for flex cable, LANscape solutions footprint	6_A	CAXASM-00104-C002
FutureCom EA	S500	Corning FutureCom EA S500 Cat. 6_A Keystone Module, 1 x RJ45 Cat. 6_A, shielded, with dust cover, Keystone footprint	6_A	CAXBSM-00104-C001
FutureCom EA	S500	Corning FutureCom EA S500 Cat. 6_A Keystone Flex Module, 1 x RJ45 Cat. 6_A, shielded, with dust cover, for flex cable, Keystone footprint	6_A	CAXBSM-00104-C002

FutureCom™ EA Cables

FutureCom™ EA cables are low-skew products, i.e., the difference in propagation delay between the individual pairs is very low. This is increasingly being requested for 1/10 Gigabit Ethernet. The suitability of the cable for high-bit-rate transmission systems ensures a high degree of future readiness. Additional features are the slim design and low weight of the cables. Each pair is individually shielded with foil (foil twisted pair – FTP).
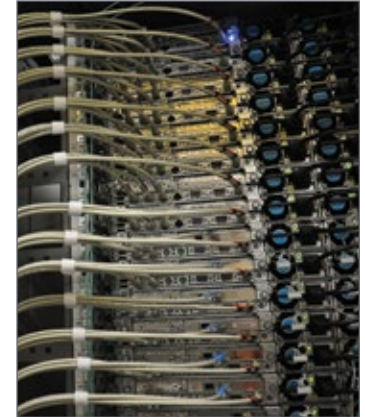

Data Centre Cable						
Solution	Type	Description	Reel Length	Category	Catalogue Number	
FutureCom™ EA	S/FTP	FutureCom EA, S/FTP 550/23, LSOH-3 cable: 550 MHz, AWG 23, 4 pairs, blue, FRNC	1000 m	6$_A$	CCXEDR-D0047-C003-L7	🏴
FutureCom F	S/FTP	FutureCom F, S/FTP 800/23, LSOH-3 cable: 800 MHz, AWG 23, 4 pairs, blue, FRNC	1000 m	7	CCXEDB-F0047-C001-L7	🏴
FutureCom FA	S/FTP	FutureCom FA, S/FTP 1200/22, LSOH-3 cable: 1200 MHz, AWG 22, 4 pairs, blue, FRNC	1000 m	8	CCXFCB-L0047-C001-L7	🏴

For more information on CPR reaction to fire performance class please visit our online catalogue.
Download Declaration of Performance documents online from corning.com/opcomm/cpr

FutureCom™ EA Patch Cords/
Copper Cable Management,
Tools, and Consumables

FutureCom™ EA Patch Cords

The FutureCom™ EA S/FTP flex/26 patch cord is terminated with IEC 60603-7-51 standards-compliant RJ45 connectors. The patch cables are designed for the transmission of digital data signals, including future applications in 10GbE systems compliant with Class EA (ISO/IEC 11801 AMD: 1 2008 & AMD: 2 2010), Cat. 6_A (ANSI/TIA/EIA 568B.2-10) and IEEE 802.3an standards. The patch cords support power-over-Ethernet (PoE) applications in compliance with IEEE 802.3af (2003) and power-over-Ethernet plus (PoE+).

Data Centre Copper Patch Cords: Cat. 6_A											
Performance		Colours		Lengths							
Class E	Class EA	Grey	Blue	1 m	2 m	3 m	4 m	5 m	10 m	Description	Catalogue Number
	■	■		⚑						1 m Cat. 6_A Shielded Copper Patch Cord (RJ45-RJ45), grey	CCAAGB-G1002-A010-C0
	■	■			⚑					2 m Cat. 6_A Shielded Copper Patch Cord (RJ45-RJ45), grey	CCAAGB-G1002-A020-C0
	■	■				⚑				3 m Cat. 6_A Shielded Copper Patch Cord (RJ45-RJ45), grey	CCAAGB-G1002-A030-C0
	■	■					■			4 m Cat. 6_A Shielded Copper Patch Cord (RJ45-RJ45), grey	CCAAGB-G1002-A040-C0
	■	■						⚑		5 m Cat. 6_A Shielded Copper Patch Cord (RJ45-RJ45), grey	CCAAGB-G1002-A050-C0
	■	■							⚑	10 m Cat. 6_A Shielded Copper Patch Cord (RJ45-RJ45), grey	CCAAGB-G1002-A100-C0
	■		■	⚑						1 m Cat. 6_A Shielded Copper Patch Cord (RJ45-RJ45), blue	CCAAGB-G2002-A010-C0
	■		■		⚑					2 m Cat. 6_A Shielded Copper Patch Cord (RJ45-RJ45), blue	CCAAGB-G2002-A020-C0
	■		■			⚑				3 m Cat. 6_A Shielded Copper Patch Cord (RJ45-RJ45), blue	CCAAGB-G2002-A030-C0
	■		■				■			4 m Cat. 6_A Shielded Copper Patch Cord (RJ45-RJ45), blue	CCAAGB-G2002-A040-C0
	■		■					⚑		5 m Cat. 6_A Shielded Copper Patch Cord (RJ45-RJ45), blue	CCAAGB-G2002-A050-C0
	■		■						⚑	10 m Cat. 6_A Shielded Copper Patch Cord (RJ45-RJ45), blue	CCAAGB-G2002-A100-C0

Additional colours and lengths available upon request

Copper Cable Management, Tools, and Consumables

WAXWSW-00008-C007

WAXWSW-00008-C006

WAXWSW-00008-C010

WAXWSW-00000-C007

WAXWSW-00000-C006

WAXWSW-00000-C010

LANS-LBL-WNDW

CAXCSN-00000-C012

CAXCSN-00000-C011

Copper Cable Management	
Description	Catalogue Number
1U Patch Cable Management Panel, black	WAXWSW-00008-C007
1U Patch Cable Guides (left and right), black	WAXWSW-00008-C006
1.5U Patch Cable Guides (left and right), black	WAXWSW-00008-C010
1U Patch Cable Management Panel, silver	WAXWSW-00000-C007
1U Patch Cable Guides (left and right), silver	WAXWSW-00000-C006
1.5U Patch Cable Guides (left and right), silver	WAXWSW-00000-C010
Self-Adhesive Labeling Windows, including paper strips (pack of 10)	LANS-LBL-WNDW

Copper Tools and Consumables	
Description	Catalogue Number
Copper Conducting Tape (needed for S10TENe/S500 jacks)	CAXCSN-00000-C011
Release Tool For FutureCom modules	CAXCSN-00000-C012

Programmes and Services

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Tools and Resources

DC Core Products Excel List
https://www.corning.com/catalog/coc/documents/selection-guides/LAN-1856-A4-BEN.xlsx

On-Demand Installation Videos
corning.com/opcomm/youtube

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