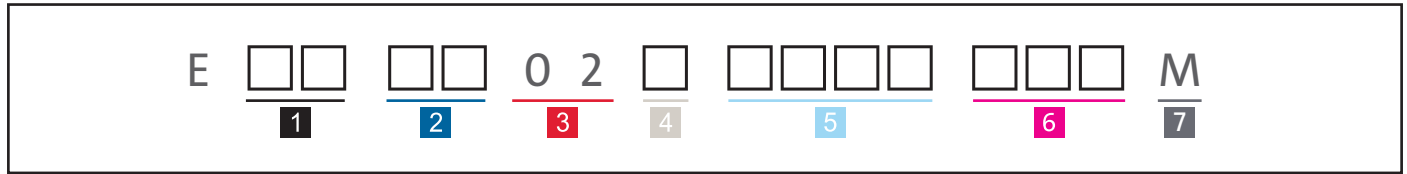# EDGE™ 2-Fibre Patch Cords EMEA

Corning's cable assemblies use high-quality Corning® ClearCurve® multimode fibres to withstand tight bends and challenging cabling routes with substantially less signal loss than conventional multimode fibre. Corning® SMF-28® Ultra single-mode fibres combine industry-leading attenuation and improved macrobend performance. As the industry's leading supplier of fibre, our state-of-the-art manufacturing process for cable assemblies ensures unsurpassed fibre and connector performance that meets and exceeds industry standards for connector reflectance and insertion loss. Low-loss connectivity enables system design flexibility for your application.

- Reverse polarity LC Uniboot connectors allow for a quick-and-easy conversion of polarity and connector colour coding in the field without exposing the fibres or needing any tools. Manufactured with Corning® CleanAdvantage™ technology and shipped with optimised caps, they eliminate the need for cleaning and scoping prior to initial field connection. Combined with the slim, round, two-fibre cable, Uniboot patch cords reduce the cable bulk when routing and providing improved handling in high-density applications.

- Lockable LC Uniboot connectors eliminate partial connection risks and accidental disconnects, reducing the risk of bringing down the network and introducing costs of troubleshooting disconnected links. They are manufactured with Corning CleanAdvantage technology and shipped with optimised dust caps.

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

Ordering Information

Corning EDGE™ Patch Cords and Pigtails can be ordered in five easy steps. The steps involve the selection of connector(s), cable diameter, and length. The steps are listed below.

E ☐☐ ☐☐ 0 2 ☐ ☐☐☐☐ ☐☐☐ M

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

1 Select first connector code.
See Table A

2 Select second connector code.
See Table A

3 Determines fibre count.
02 = 2 fibres

4 Select fibre type.
T = Corning® ClearCurve® Multimode OM3
Q = ClearCurve Multimode OM4
V = ClearCurve Multimode OM5 Wide Band Fibre
G = Corning® SMF-28® Ultra (OS2)
J = ClearCurve LBL Fibre
U = ClearCurve ZBL Fibre

5 Select cable code based on desired construction.
NB20 = 2.0 mm LSZH™, CPR B2ca
NZ20 = 2.0 mm LSZH, CPR Dca
NZ16 = 1.6 mm LSZH, CPR Dca [6]

6 Select cable assembly length.
001-100

7 Defines unit of measure.
M = Metres

Notes:

1) Select connector code based on the type of adapter used at the patch panel and the electronic interface connector.
   A) Always use the lowest code first when constructing the part number; numbers go before letters.
   B) Letter codes follow alphabetical order.
   C) Pigtails begin with "00"
   Examples:
   E787802GNB20002M
   E79MM02TNZ16010M

2) For lengths greater than 100 m please contact Corning Customer Care at 00800 2676 4641 or cc.emea@corning.com

3) To include half-metre steps, add .5 m (example E787802GNZ20002.5M).

4) For OM4 with heather violet cable jacket, please add -VI at the end of the part number (example E050502TNB20003M-VI).

5) LBL and ZBL come with white cable per default, for yellow cable jackets, please add -YE at the end of the part number (example E787802JNZ20008M-YE).

6) For MDC and SN connectors, 1.6 mm is the default and recommended cable diameter.

Lockable LC Duplex Uniboot	LC Duplex Uniboot	SN Connector	MDC Senior Connector	CS® Connector

Table A: Connector Types and Specifications

Single-Mode Connectors						
Type	Connector Polish	Code	Maximum Insertion Loss (dB)	Maximum Reflectance (dB)	Ferrule	Housing
Pigtail	-	00	-	-	-	-
LC Types*						
Uniboot LC/UPC (polarity reversible)	UPC	78	≤ 0.25	≤ -45	Ceramic	Composite
Lockable Uniboot LC/UPC (polarity reversible)	UPC	U8	≤ 0.25	≤ -45	Ceramic	Composite
Uniboot LC/APC (polarity reversible)	APC 8°	80	≤ 0.25	≤ -60	Ceramic	Composite
Lockable Uniboot LC/APC (polarity reversible)	APC 8°	U6	≤ 0.25	≤ -60	Ceramic	Composite
LC/UPC Duplex (with clip)	UPC	04	≤ 0.25	≤ -45	Ceramic	Composite
LC/APC Duplex (with clip)	APC 8°	18	≤ 0.25	≤ -60	Ceramic	Composite
SC Types*						
SC/UPC Duplex (with clip)	UPC	72	≤ 0.25	≤ -45	Ceramic	Composite
SC/APC Duplex (with clip)	APC 8°	66	≤ 0.25	≤ -60	Ceramic	Composite
Very Small Form Factor Types						
MDC/UPC Senior	UPC	MU	≤ 0.25	≤ -45	Ceramic	Composite
MDC/APC Senior	APC 8°	MA	≤ 0.25	≤ -60	Ceramic	Composite
SN/UPC	UPC	NU	≤ 0.25	≤ -45	Ceramic	Composite
SN/APC	APC 8°	NA	≤ 0.25	≤ -60	Ceramic	Composite
CS/UPC	UPC	CU	≤ 0.25	≤ -45	Ceramic	Composite
CS/APC	APC 8°	CA	≤ 0.25	≤ -60	Ceramic	Composite
Other Types						
LSH/UPC	UPC	LU	≤ 0.25	≤ -45	Ceramic	Composite
LSH/APC	APC 8°	LA	≤ 0.25	≤ -60	Ceramic	Composite

Multimode Connectors						
Type	Connector Polish	Code	Maximum Insertion Loss (dB)	Maximum Reflectance (dB)	Ferrule	Housing
Pigtail	-	00	-	-	-	-
LC Types*						
Uniboot LC/UPC (polarity reversible)	UPC	79	≤ 0.15	≤ -40	Ceramic	Composite
Lockable Uniboot LC/UPC (polarity reversible)	UPC	U9	≤ 0.15	≤ -40	Ceramic	Composite
LC/UPC Duplex (with clip)	UPC	05	≤ 0.15	≤ -40	Ceramic	Composite
SC Types*						
SC/UPC Duplex (with clip)	UPC	57	≤ 0.15	≤ -40	Ceramic	Composite
Very Small Form Factor Types						
MDC/UPC Senior	UPC	MM	≤ 0.15	≤ -40	Ceramic	Composite
SN/UPC	UPC	NM	≤ 0.15	≤ -40	Ceramic	Composite
CS/UPC	UPC	CM	≤ 0.15	≤ -40	Ceramic	Composite
Other Types						
LSH/UPC	UPC	LM	≤ 0.15	≤ -40	Ceramic	Composite

Connector designs comply with IEC 61754-4 (SC), IEC 61754-20 (LC)
Durability according to FOTP-21: < 0.2 dB change. Matings: 500 for SC; 500 for LC connectors
Tensile strength according to IEC 61300-2-4: 50 N for patch cords up to 2.8 mm

*Patch cords with LC and SC connectors are manufactured with Corning® CleanAdvantage™ technology and shipped with optimised dust caps, eliminating the need for cleaning and scoping prior to initial field connection.

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