

EDGE™ Solutions Module 12 F, LC APC to MTP® APC Connector, single-mode (OS2)

CORNING

Part Number:
ECM-UM12-18-89G

EDGE™ modules provide the interface between the MTP® connector on the trunk and the LC duplex jumpers that will then 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. Low-loss connectivity enables design flexibility to permit multiple potential connections within the system (e.g. 4-module link). All EDGE modules can be installed from the front or the rear of any EDGE Solutions housing using a simple release mechanism negating the need for any specialist 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 typically once removed are never replaced, exposing the interior end faces to dust particles and possible damage. In addition, the shutters are visual fault locator (VFL) compatible allowing easy port identification whilst defusing the VFL light to ensure adequate eye safety.

EDGE™ low-loss modules provide an interface between the MTP® connector on an MTP trunk and the LC duplex jumpers that connect directly to the electronics. These modules feature VFL-compatible LC shuttered adapters and are manufactured with Corning® CleanAdvantage™ Technology, an innovative factory cleaning and sealing process that minimizes debris transfer and allows you to connect with confidence.

All EDGE modules meet RoHS standards and are ideal for data center, local area network (LAN), and storage area network (SAN) applications.



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Specifications

General Specifications	
Product type	Modules
Fibre category	Bend-improved SM (OS2)
Application	Data Centre LAN/SAN

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU

Design	
Fibre count	12
Adapter type back	MTP®
Adapter colour back	Black
Adapter colour front	Green
Adapter type front	Shuttered LC duplex
Housing type	Panels and Modules
Product family	EDGE™

Cable Design	
Polarity	Universal

Design - Adapter	
Adapter housing colour	Green
Adapter housing material	Composite

Optical Specification - Hardware	
Module Insertion Loss, Max	1 dB

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Optical Specification - Hardware

Wavelengths	1310 nm / 1550 nm
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Connector Specs

Housing colour	Green
Housing material	Composite

Specifications - Connector A

Connector type	MTP® (pinned)
Housing colour	Green
Polish	APC
Housing material	Composite
Ferrule material	Composite
Keyed (security)	No
Endface type	APC
Insertion loss, max.	0.5 dB

Specifications - Connector B

Connector type	LC duplex
Polish	APC
Housing material	Composite
Ferrule material	Ceramic
Endface type	APC

Dimensions

Width	102 mm
Depth	125 mm

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Ordering Information

Product Number	ECM-UM12-18-89G
Packaging method	Individual Blister Packs
Units per delivery	1/1



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