

# EDGE™ Solutions Module, Ultra Low Loss

12 fibres, LC APC Duplex to MTP® Connector, Bend-improved single-mode (OS2)

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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.

## Features and Benefits

### Connector modules

Allow for fibre modularity while offering both front and rear loading capability

### Shuttered modules

Create one-hand operation while eliminating need to keep up with dust caps



ECM-UM12-18-89G | Photo LAN4846



Part Number: ECM-UM12-18-89G-ULL

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## Specifications

### General Specifications

Application	Data Centre LAN/SAN
Product type	Panels & Modules
Fibre Category	SM (OS2)

### Design - Hardware

Fibre Count	12
Number of adapters per panel	6
Adapter Type Front	Shuttered LC APC
Adapter Colour Front	green
Adapter Type Back	MTP
Adapter Color Back	black

### Mechanical Characteristics

Dimensions (W x D x H)	90 mm x 124 mm x 12 mm (3.53 in x 4.87 in x 0.463 in)
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### Optical Specification - Hardware

Module Insertion Loss, Max	0.6 dB
Wavelengths	1,310 nm / 1,550 nm

### Design - Connector A

Connector Type	MTP® (pinned)
Ferrule Material	Composite
Endface Type	APC

### Design - Connector B

Connector Type	LC APC
Ferrule Material	Ceramic

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## Cable design

Fibre Count	12
Polarity	Universal

## Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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## Ordering Information

Part Number	ECM-UM12-18-89G-ULL
Product Description	EDGE™ Solutions Module, Ultra Low Loss, 12 fibres, LC APC Duplex to MTP® Connector, OS2
EAN Code	4042673998075
Weight	0.11 kg (0.25 lb)

## Shipping Information

Units Per Delivery	1/1
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