

EDGE™ Solutions Trunk Cable, OM3, Low-Loss, MTP® to MTP, 12 fibres

840/840 mm leg lengths, no pulling grip, 20 m

CORNING

EDGE MTP® trunks are preterminated cables with 12-fibre MTP connectors or LC duplex 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® fibre, 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 both EDGE Solutions and Plug & Play™ Systems housings. These trunks conform to TIA-568 Type-B polarity.

Features and Benefits

Provide 12 to 144 fibre connectivity

Cables are: Low smoke (IEC 61034) and zero-halogen (IEC 60754-1), flame retardant to IEC 60332-3 and non-corrosive to IEC 60754-2 (FRNC)

Utilise MTP connectors

- Small Form Factor
- 12-fibre push/pull optical connectors
- minimize errors and reduce space

Allow for lower bend radii and smaller slack loops

Enable up to 6x the cable tray capacity over traditional bulkier cabling solutions

Save up to 65 percent space, minimize cable tray weight and improve air flow

Meet the highest skew criteria for 100G

Feature round furcation legs that provide easy routing and improved storage

Feature small-profile furcation plugs

- allow stress-free cable mounting
- leave no legs outside the housing
- are shipped with strain-relief mounting cradles

Are available with optional flexible pulling grips that

- allow easy installation around corners
- allow trunk pull through conduits up to 450 N
- provide complete protection for connectors

Standards

Intermateability TIA/EIA-604-5 / TIA/EIA-604-5

EDGE™ Solutions Trunk Cable, OM3, Low-Loss, MTP® to MTP, 12 fibres

840/840 mm leg lengths, no pulling grip, 20 m

CORNING

Standards

Flame Resistance

Flame retardant to IEC 60332-1-2 (single cable), Zero Halogen to IEC 60754-1, Non Corrosive to IEC 60754-2

Specifications

General Specifications

Flame rating	LSZH™/FRNC
Fibre Category	50 µm MM (OM3)
Cable assembly type	Multi Fibre

Temperature Range

Operation	0 °C to 60 °C
Installation and assembly	0 °C to 50 °C
Storage	-25 °C to 70 °C

Design - Connector A

Connector Type	MTP® (non-pinned)
Ferrule Material	Composite
Polish	PC
Housing material	Composite
Housing Colour	Turquoise
Boot type	Individual
Boot colour	black
Keyed (security)	No

Mechanical Specifications - Connector A

Durability	≤ 0.2 dB 200 rematings, FOTP-21
Tensile strength jacketed cable	44 N

EDGE™ Solutions Trunk Cable, OM3, Low-Loss, MTP® to MTP, 12 fibres

840/840 mm leg lengths, no pulling grip, 20 m

CORNING

Optical Specifications - Connector A

Insertion loss, max.	≤ 0.35 dB /pair*
Note:	*IL in preconnectorised products is measured in the factory through two mated pairs.

Design - Connector B

Connector Type	MTP® (non-pinned)
Ferrule Material	Composite
Polish	PC
Housing material	Composite
Housing Colour	Turquoise
Boot type	Individual
Boot colour	black
Keyed (security)	No

Mechanical Specifications - Connector B

Durability	≤ 0.2 dB 200 rematings, FOTP-21
Tensile strength jacketed cable	44 N

Optical Specifications - Connector B

Insertion loss, max.	≤ 0.35 dB /pair*
Note:	*IL in preconnectorised products is measured in the factory through two mated pairs.

Cable Design

Polarity	Universal
Fibre Count	12
Outer jacket colour	Turquoise
Outer jacket material	LSZH™/FRNC
Outer diameter	4.5 mm (± 0.2 mm)
Min. Bend Radius Installation	90 mm
Min. Bend Radius Operation	45 mm
Crush resistance (reversible)	350 N/10 cm
Tensile strength	450 N

EDGE™ Solutions Trunk Cable, OM3, Low-Loss, MTP® to MTP, 12 fibres

840/840 mm leg lengths, no pulling grip, 20 m

CORNING

Mechanical Characteristics Cable

Weight	20.48 kg/km
--------	-------------

Furcation - Connector A

Legs Count	1
Leg length	840 mm
Fibre Count	12
Plug Type	Size 1 EDGE™
Plug Dimensions	107.6 x 14.7 x 14.7 mm
Leg diameter	2.0 mm

Furcation - Connector B

Legs Count	1
Leg length	840 mm
Fibre Count	12
Plug Type	Size 1 EDGE™
Plug Dimensions	107.6 x 14.7 x 14.7 mm
Leg diameter	2.0 mm

Pulling grip - Connector A

Pulling grip - Connector A	No
----------------------------	----

Pulling grip - Connector B

Pulling grip - Connector B	No
----------------------------	----

Chemical Characteristics

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

EDGE™ Solutions Trunk Cable, OM3, Low-Loss, MTP® to MTP, 12 fibres

840/840 mm leg lengths, no pulling grip, 20 m

CORNING

Fibre Specifications

Optical Characteristics (cabled)	
Fibre name	G50/125 ULTRA-BEND 7.5
Fibre core diameter	50 µm
Fibre Category	OM3
Fibre code	T
Wavelengths	850 nm / 1300 nm
Maximum attenuation	2.8 dB/km / 1.0 dB/km
Typical attenuation	2.4 dB/km / 0.8 dB/km
Serial 1 gigabit ethernet	1000 m / 600 m
Serial 10 gigabit ethernet	300 m / 333 m
Min. overfilled launch (OFL) bandwidth	1500 MHz*km / 500 MHz*km
Minimum effective modal bandwidth (EMB)	2000 MHz*km / -
Induced attenuation @ 7.5 mm radius	< 0.2 dB / -

Notes: 1) 50 µm multimode fibre macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel
2) Meets 0.75 ns optical skew when used in all Corning Plug and Play™/EDGE™ systems solutions.
3) Improved attenuation and bandwidth options available
4) Bend-insensitive single-mode fibres available on request.
5) Contact a Corning Customer Care Representative for additional information

Ordering Information

Part Number	Z757512TLZ88U020M
Product Description	EDGE™ Solutions Trunk Cable, OM3, Low-Loss, MTP® Connector to MTP Connector, 12 fibres, 840/840 mm leg lengths, no pulling grip, 20 m
EAN Code	4056418754192
Length	20 m

Shipping Information

Packing type	Plastic reel
Packing contents	2x EDGE™ clip size 1 test report
Units Per Delivery	1/1

EDGE™ Solutions Trunk Cable, OM3, Low-Loss, MTP® to MTP, 12 fibres

840/840 mm leg lengths, no pulling grip, 20 m

The Corning logo consists of a solid blue square with the word "CORNING" in white, uppercase, sans-serif font centered within it.

CORNING

Notes



Corning Optical Communications GmbH & Co. KG · Leipziger Strasse 121 · 10117 Berlin, GERMANY
00 800 2676 4641 · FAX: +49 30 5303 2335 · www.corning.com/opcomm/emea

A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/emea/trademarks. Corning Optical Communications is ISO 9001 and ISO 14001 certified.
© 2017 Corning Optical Communications. All rights reserved.