

# Pretium EDGE® Solutions Trunk Cable, OM3, Low-Loss, MTP® to MTP, 48 fibres

840/840 mm leg lengths, pulling grip one side, 10 m

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Corning Cable Systems LANscape® Pretium EDGE® (Evolved-Density, Growth-Enabled) Solutions are high density pre-terminated optical cabling systems that simplify installation and improve performance in data centre environments. Pretium EDGE Solutions provide increased system density and offer the highest port density in the market. The modular system approach with pre-terminated components allows for reduced installation time and faster moves, adds and changes (MACs).

Corning Cable Systems' factory-terminated solutions provide improved system performance, ensure component compatibility and yield consistent quality.

Pre-terminated trunk cabling systems fitted with a factory-installed protective pulling grip are routed through the cabling pathways and spaces. Once deployed, the pulling grip is removed and the MTP® connectors on both ends are plugged into connector panels or modules.

High-density MTP connector-based trunk systems plug into breakout modules or harnesses for a simple, fast-to-deploy, modular solution with easy scalability.



## Standards

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

## 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

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## Design - Connector A

Connector Type	MTP® (non-pinned)
Ferrule	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

## Optical Specifications - Connector A

Insertion Loss, Typical	0.35 dB
Insertion loss, max.	≤ 0.35 dB

## Design - Connector B

Connector Type	MTP® (non-pinned)
Ferrule	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

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## Optical Specifications - Connector B

Insertion Loss, Typical	0.35 dB
Insertion loss, max.	≤ 0.35 dB

## Cable Design

Polarity	Universal
Fibre Count	48
Outer diameter	7.6 mm
Outer jacket colour	Turquoise
Outer jacket material	LSZH/FRNC
Min. Bend Radius Installation	76 mm
Min. Bend Radius Operation	38 mm
Crush Resistance (reversible)	750 N/10cm
Tensile strength	600 N

## Furcation - Connector A

Legs Count	4
Leg Length	840 mm for EDGE-01U-RDH
Leg Diameter	2.9 mm
Fibre Count	48
Plug Type	Size 2 Pretium EDGE®
Plug Dimensions	108.6 x 20 x 20 mm

## Furcation - Connector B

Legs Count	4
Leg Length	840 mm for EDGE-01U-RDH
Leg Diameter	2.9 mm
Fibre Count	48
Plug Type	Size 2 Pretium EDGE®
Plug Dimensions	108.6 x 20 x 20 mm

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## Pulling Grip - Connector A

Pulling Grip - Connector A	Yes
Tensile strength	450 N
Pulling Grip Outer Diameter	56 mm
Min. duct size diameter	89 mm

## Pulling Grip - Connector B

Pulling Grip - Connector B	No
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## Chemical characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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## Fibre Specifications

### Optical Characteristics (cabled)

Fibre Name	G50/125 ULTRA-BEND 7.5
Fibre Type	Multimode
Fibre Core Diameter	50 µm
Fibre Category	OM3
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1 dB/km
Typical attenuation	2.4 dB/km / 0.8 dB/km
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / -
Serial 1 Gigabit Ethernet	1000 m / 600 m
Serial 10 Gigabit Ethernet	300 m / 333 m
Induced attenuation @ 7.5 mm radius	< 0.2 dB / -
Standards in Compliance	TIA/EIA 492AAAC-A, Tested with minEMBc method to TIA/EIA 455-220, IEC 60793-2-10 Type A1a.2 Ed.2.0 and IEC 60793-1-49 Ed.2.0, ITU-T G651, ISO/IEC 11801 Cat. OM3
Fibre Code	H

- 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 Cable Systems Plug & Play™/Pretium EDGE® Systems Solutions.
  - 3) Improved attenuation and bandwidth options available
  - 4) Bend-insensitive single-mode fibres available on request
  - 5) Contact a Corning Cable Systems Customer Care Representative for additional information

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## Ordering Information

Part Number	G757548TLZ88U010M
Product Description	Pretium EDGE® Solutions Trunk Cable, OM3, Low-Loss, MTP® Connector to MTP Connector, 48 fibres, 840/840 mm leg lengths, pulling grip one side, 10 m
Length	10 m

## Shipping Information

Packing type	Cardboard box
Packing contents	2x Pretium EDGE® clip size 2 test report
Units per Delivery	1/1



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