Pretium EDGE® Solutions Trunk Cable, OM4, Low-Loss, MTP® to MTP, 24 fibres

500/500 mm leg lengths, pulling grip one side, 30 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.

Part Number: G757524QLZ55U030M

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)

Utilize 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

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Features and Benefits

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

Specifications

General Specifications	
Flame Rating	LSZH/FRNC
Fibre Category	50 µm MM (OM4)
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	Composite
Polish	PC
Housing Material	Composite
Housing Colour	Turquoise
Boot Type	Individual
Boot Colour	Black
Keyed (security)	No

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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

Optical Specifications - Connector B

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

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Cable Design

Polarity	Universal
Fibre Count	24
Outer diameter	5.2 mm
Outer jacket colour	Turquoise
Outer jacket material	LSZH/FRNC
Min. Bend Radius Installation	52 mm
Min. Bend Radius Operation	26 mm
Crush Resistance (reversible)	750 N/10cm
Tensile strength	600 N

Furcation - Connector A

Legs Count	2
Leg Length	500 mm for EDGE-04U-RDH
Leg Diameter	2.9 mm
Fibre Count	24
Plug Type	Size 1 Pretium EDGE®
Plug Dimensions	107.6 x 14.7 x 14.7 mm

Furcation - Connector B

Legs Count	2
Leg Length	500 mm for EDGE-04U-RDH
Leg Diameter	2.9 mm
Fibre Count	24
Plug Type	Size 1 Pretium EDGE®
Plug Dimensions	107.6 x 14.7 x 14.7 mm

Pulling Grip - Connector A

Pulling Grip - Connector A	Yes
Tensile strength	450 N
Pulling Grip Outer Diameter	41 mm
Min. duct size diameter	64 mm

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Pulling Grip - Connector B	
Pulling Grip - Connector B	No

Chemical characteristics	
RoHS	Free of hazardous substances according to RoHS 2002/95/EG

Fibre Specifications

Optical Characteristics (cabled)	
Fibre Name	G50/125 ULTRA-BEND 7.5
Fibre Type	Multimode
Fibre Core Diameter	50 μm
Fibre Category	OM4
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	3500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	4700 MHz*km / -
Serial 1 Gigabit Ethernet	1100 m / 600 m
Serial 10 Gigabit Ethernet	550 m / -
Induced attenuation @ 7.5 mm radius	< 0.2 dB / -
Standards in Compliance	TIA/EIA 492AAAD, Tested with min EMBc method to TIA/EIA 455-220, IEC 60793-2-10 Type A1a.3 and IEC 60793-1-49 ED.2.0 ITU-T G651, ISO/IEC 11801 Cat. OM4
Fibre Code	K

Notes: 1) *Meets 0.75 ns optical skew when used in all Corning Cable Systems Plug & Play™/Pretium EDGE® Systems Solutions.*
2) *50 μm multimode fibre macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel*
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	G757524QLZ55U030M
Product Description	Pretium EDGE® Solutions Trunk Cable, OM4, Low-Loss, MTP® Connector to MTP Connector, 24 fibres, 500/500 mm leg lengths, pulling grip one side, 30 m
Length	30 m

Shipping Information

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

RoHS COMPLIANT

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