

EDGE8™ MTP® Trunk Cable

50 µm multimode (OM4), 8F MTP (pinned) Connector to 8F MTP (pinned) Connector, 96F, with 840 mm legs, pulling grip one side, 30 m

CORNING

The EDGE8™ trunks utilise 8-fibre push/pull optical connectors that are pinned on both ends of the cable. The trunks are shipped with strain-relief clips that allow for tool-less installation in EDGE8 housings. The grip can be pulled using up to 400N of pulling tension while providing complete protection for the connectors. All trunks greater than 23 mt are packaged on a plastic corrugated reel for easy installation.

Features and Benefits

8-fibre array connectors

Base 8 configuration allows for seamless migration to data rates of 40G and above

Pinned MTP's on both ends

Allows for a single pinless jumper deployment in parallel optic electronics deployments

Small outer diameter

Improves the cable tray fill ratio and allows for improved airflow

Bend-improved fibre

Allows tighter cable bends for slack storage and routing, less risk of downtime due to pinched or bent cables

Factory-terminated solutions

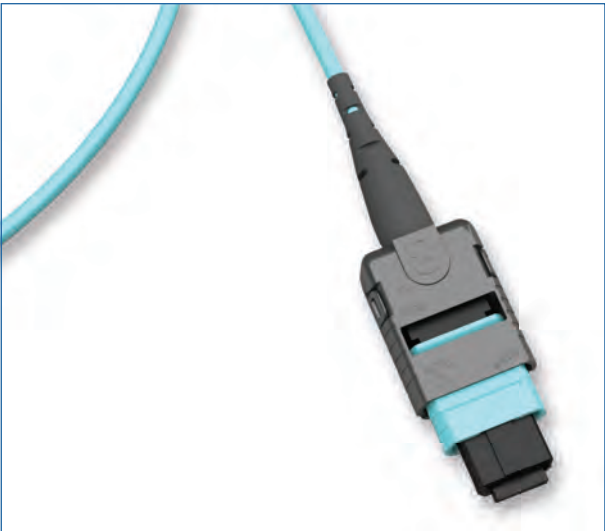
Provide consistent quality, ensure system performance, and reduce installation time

Standards

Intermateability	TIA/EIA-604-5 / TIA/EIA-604-5
Flame Resistance	Flame retardant to IEC 60332-1-2 (single cable) Zero Halogen to IEC 60754-1 Non-Corrosive to IEC 60754-2



Part Number: GE5E596QLZDDU030M



Part Number: GE5E596QLZDDU030M

EDGE8™ MTP® Trunk Cable

50 µm multimode (OM4), 8F MTP (pinned) Connector to 8F MTP (pinned) Connector, 96F, with 840 mm legs, pulling grip one side, 30 m

CORNING

Specifications

General Specifications

Application	Data Centre LAN/SAN
Cable type	Indoor; ANSI/ICEA S-83-596
Flame rating	LSZH™/FRNC
Cable assembly type	EDGE8™ Trunk
Fibre Category	50 µm MM (OM4)

Temperature Range

Operation	-10 °C to 60 °C (14 °F to 140 °F)
-----------	-----------------------------------

Design - Connector A

Connector Type	MTP® (pinned)
Ferrule Material	Composite
Boot colour	black

Optical Specifications - Connector A

Insertion loss, max.	0.25 dB per mated pair
Reflectance	< -20 dB

Design - Connector B

Connector Type	MTP® (pinned)
Ferrule Material	Composite
Boot colour	black

Optical Specifications - Connector B

Insertion loss, max.	0.25 dB per mated pair
Reflectance	< -20 dB

EDGE8™ MTP® Trunk Cable

50 µm multimode (OM4), 8F MTP (pinned) Connector to 8F MTP (pinned) Connector, 96F, with 840 mm legs, pulling grip one side, 30 m

CORNING

Cable design

Fibre Count	96
Outer jacket colour	Turquoise
Polarity	Universal; TIA-568 Type-B

Mechanical Characteristics Cable

Nominal Outer Diameter	11.9 mm (± 0.3 mm)
Min. Bend Radius Installation	178.5 mm
Min. Bend Radius Operation	59.5 mm

Furcation - Connector A

Legs Count	12
Leg length	840 mm (+76 mm/-0 mm)
Leg Colour	Turquoise
Leg diameter	2.0 mm
Plug Dimensions	108.6 x 20 x 20 mm
Furcation Type - A	EDGE™ Size 2; 20 mm x 20 mm x 108.6 mm

Furcation - Connector B

Legs Count	12
Leg length	840 mm (+76 mm/-0 mm)
Leg Colour	Turquoise
Leg diameter	2.0 mm
Furcation Type - B	EDGE™ Size 2; 20 mm x 20 mm x 108.6 mm

Pulling grip - Connector A

Pulling grip - Connector A	Yes
Pulling Grip Outer Diameter	56 mm
Min. duct size diameter	89 mm
Tensile strength	440 N

EDGE8™ MTP® Trunk Cable

50 µm multimode (OM4), 8F MTP (pinned) Connector to 8F MTP (pinned) Connector, 96F, with 840 mm legs, pulling grip one side, 30 m

CORNING

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 core diameter	50 µm
Fibre Category	OM4
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	1100 m / 600 m
Serial 10 gigabit ethernet	550 m / -
Min. overfilled launch (OFL) bandwidth	3500 MHz*km / 500 MHz*km
Minimum effective modal bandwidth (EMB)	4700 MHz*km / -
Induced attenuation @ 7.5 mm radius	< 0.2 dB / -

Notes: 1) Meets 0.75 ns optical skew when used in all Corning Plug and Play™/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 Customer Care Representative for additional information

Ordering Information

Part Number	GE5E596QLZDDU030M
Product Description	EDGE8™ MTP® Trunk Cable, 50 µm multimode (OM4), 8F MTP Connector to 8F MTP Connector, 96F, with 840 mm legs, tool-less pulling grip one side, 30 m
EAN Code	4056418688978
Length	30 m
Cable Tolerance (measured furcation to furcation)	-0 m/+0.61 m

EDGE8™ MTP® Trunk Cable

50 µm multimode (OM4), 8F MTP (pinned) Connector to 8F MTP (pinned) Connector, 96F, with 840 mm legs, pulling grip one side, 30 m

CORNING

Shipping Information

Units Per Delivery	1/1
Packing type	Plastic reel
Packing contents	2x EDGE™ clips size 2 single stack, 2x EDGE clips size 2 double stack, 2x EDGE U-clips size 2, a printed test report and SRP



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. © 2016 Corning Optical Communications. All rights reserved.