

# EDGE8™ MTP® Trunk Cable

50 µm multimode (OM4), 8F MTP (pinned) Connector to 8F MTP (pinned) Connector, 24F, 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

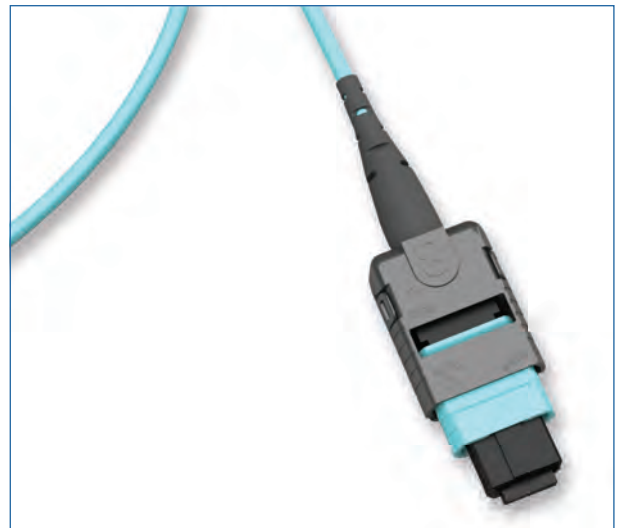
TIA/EIA-604-5 / TIA/EIA-604-5

### 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: GE5E524QLZDDU030M



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## 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)
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### 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

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## Cable design

Fibre Count	24
Outer jacket colour	Turquoise
Polarity	Universal; TIA-568 Type-B

## Mechanical Characteristics Cable

Nominal Outer Diameter	7.7 mm (± 0.3 mm)
Min. Bend Radius Installation	115.5 mm
Min. Bend Radius Operation	38.5 mm

## Furcation - Connector A

Legs Count	3
Leg length	840 mm (+76 mm/-0 mm)
Leg Colour	Turquoise
Leg diameter	2.0 mm
Plug Dimensions	108.6 x 14.7 x 14.7 mm
Furcation Type - A	EDGE™ Size 1; 14.7 mm x 14.7 mm x 108.6 mm

## Furcation - Connector B

Legs Count	3
Leg length	840 mm (+76 mm/-0 mm)
Leg Colour	Turquoise
Leg diameter	2.0 mm
Furcation Type - B	EDGE™ Size 1; 14.7 mm x 14.7 mm x 108.6 mm

## Pulling grip - Connector A

Pulling grip - Connector A	Yes
Pulling Grip Outer Diameter	41 mm
Min. duct size diameter	64 mm
Tensile strength	440 N

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## 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 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	GE5E524QLZDDU030M
Product Description	EDGE8™ MTP® Trunk Cable, 50 µm multimode (OM4), 8F MTP Connector to 8F MTP Connector, 24F, with 840 mm legs, tool-less pulling grip one side, 30 m
EAN Code	4056418688817
Length	30 m
Cable Tolerance (measured furcation to furcation)	-0 m/+0.61 m

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## Shipping Information

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



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