

EDGE™ Trunk Cable

50 µm multimode (OM3), MTP® Connector to MTP Connector, 48 F, with 33/33 inch legs, pulling grip one side, 50 ft

CORNING

EDGE™ MTP® trunks provide the backbone of the EDGE Solution. With non-pinned MTP connectors on both ends of the cable, the trunks are designed to interface with EDGE or Plug & Play™ modules. All trunks are shipped with strain-relief clips that allow for tool-less installation in both EDGE and Plug & Play housings. The trunks conform to TIA-568 Type-B polarity.

Features and Benefits

High-density trunk cables

Allow tighter trunk cable bends for slack storage and routing

Low insertion loss performance

Allows for more connections in a link when deploying a TIA-942-compliant system

Universal wired components

Enable moves, adds and changes without polarity concerns; provide a simple migration path between 2-fiber and parallel optic applications

Factory-terminated solutions

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

Standards

Approvals and Listings

NFPA 262, National Electrical Code® (NEC®), OFNP, CSA FT-6



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Specifications

General Specifications	
Application	Data Center LAN/SAN
Cable Type	Indoor; ANSI/ICEA S-83-596
Flame Rating	Plenum (OFNP)
Cable Assembly Type	EDGE™ Trunk
Fiber Category	50 µm MM (OM3)

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

Design - Connector A	
Connector Type	MTP® (non-pinned)
Ferrule Material	Composite

Optical Specifications - Connector A	
Insertion Loss, Max.	0.25 dB
Reflectance	< -20 dB

Design - Connector B	
Connector Type	MTP® (non-pinned)
Ferrule Material	Composite

Optical Specifications - Connector B	
Insertion Loss, Max.	0.25 dB
Reflectance	< -20 dB

Cable Design	
Fiber Count	48
Outer Jacket Color	Aqua

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Cable Design

Polarity	Universal; TIA-568 Type-B
Strain-Relief Bracket Type	2

Mechanical Characteristics Cable

Nominal Outer Diameter	8.5 mm ± 0.3 mm (0.33 in)
Min. Bend Radius Installation	127.5 mm (5.02 in)
Min. Bend Radius Operation	42.5 mm (1.67 in)
Max. Tensile Strength for Installation	660 N
Weight	63 kg/km (42 lb/1000 ft)
Minimum Conduit Size with 18-in Elbow	3.0 in

Furcation - Connector A

Leg Length	838 mm (-0 mm/+76 mm) for EDGE™ housings (33 in (-0 in/+3 in))
Leg Color	Aqua
Leg Diameter	2.0 mm
Furcation Type - A	EDGE™ Size 2; 20 mm x 20 mm x 108.6 mm

Furcation - Connector B

Leg Length	838 mm (-0 mm/+76 mm) for EDGE™ housings (33 in (-0 in/+3 in))
Leg Color	Aqua
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 (2.2 in)
Min. Duct Size Diameter	89 mm (3.5 in)
Tensile Strength	440 N (100 lb)

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Pulling Grip - Connector B

Pulling Grip - Connector B

No

Chemical Characteristics

RoHS

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

Fiber Specifications

Optical Characteristics (cabled)

Fiber Name	G50/125 Pretium 300 ULTRA-BEND 7.5
Fiber Type	Multimode
Fiber Core Diameter	50 µm
Fiber Category	OM3
Fiber Compliance	IEC 60793-2-10 for A1a class 50/125 multimode fibers; TIA/EIA 492AAAC-A (OM3); ITU-T Recommendation G.651; ISO/IEC 11801 Ed.2.2 Grade OM3
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3.0 dB/km / 1.0 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 / -
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 Ed.2.2 Cat. OM3
Fiber Code	T
Induced Attenuation @ 7.5 mm Radius	< 0.2 dB / -

Notes: 1) 50 µm multimode fiber 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 fibers available on request.
5) Contact a Corning Customer Care Representative for additional information.

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Ordering Information

Part Number	G757548TPNDDU050F
Product Description	EDGE™ Solutions Trunk Cable, 50 µm multimode (OM3), MTP® Connector to MTP Connector, 48 F, with 33/33 inch legs, pulling grip one side, 50 ft
EAN Code	4056418180854
Length	50 ft (-0 ft/+2 ft) (15.24 m (-0 m/+0.61 m))

Shipping Information

Units per Delivery	1/1
Reel Diameter	23.5 in
Reel Width	5 in



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