EDGE™ Solutions Hybrid Trunk Cable

72 F, 50 µm multimode (OM4), 100 ft

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The EDGE™ Hybrid MTP® to LC Duplex Trunks combine non-pinned MTP Connectors that connect to Pretium EDGE modules and duplex uniboot LC Connectors that connect directly to electronics enabling more options for cabling your data center.

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

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 (OM4)

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

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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	LC Duplex Uniboot
Ferrule Material	Ceramic

Optical Specifications - Connector B	
Insertion Loss, Max.	0.10 dB
Reflectance	< -20 dB

Cable Design	
Fiber Count	72
Outer Jacket Color	Aqua
Polarity	Universal; TIA-568 Type-B

Mechanical Characteristics Cable	
Nominal Outer Diameter	10.41 mm (0.41 in)
Min. Bend Radius Installation	157.48 mm (6.20 in)
Min. Bend Radius Operation	52.58 mm (2.07 in)
Max. Tensile Strength for Installation	445 N (100 lbf)
Weight	94 kg/km (63 lb/1000 ft)

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Optical Characteristics (cabled)	
Fiber Compliance	IEC 60793-2-10 for A1a class 50/125 multimode fibers; TIA/EIA 492AAAD (OM4); ITU-T Recommendation G.651; ISO/IEC 11801 Ed.2.2 Grade OM4
Wavelengths	1310 nm / 1550 nm
Maximum Attenuation	2.8 dB/km / 1.0 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 (2 turns; 7.5 mm radius; 850 nm)

Furcation - Connector A	
Leg Length	838 mm (-0 mm/+76 mm) (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	914 mm (-0 mm/+114 mm) (36 in (-0 in/+4.5 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	76 mm (3.0 in)
Tensile Strength	445 N (100 lb)

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

Fiber Specifications

Optical Characteristics (cabled)	
Fiber Type	Multimode
Fiber Core Diameter	50 µm
Fiber Category	OM4 Extended Distance
Fiber Compliance	IEC 60793-2-10 for A1a class 50/125 multimode fibers; TIA/EIA 492AAAD (OM4); ITU-T Recommendation G.651; ISO/IEC 11801 Ed.2.2 Grade OM4
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	4700 MHz*km / -
Serial 1 Gigabit Ethernet	1000 m / 600 m
Serial 10 Gigabit Ethernet	600 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	Q
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.*

Ordering Information

Part Number	G757972QPNDLW100F
Product Description	EDGE™ Solutions Hybrid Trunk Cable, 72 F, MTP® (non-pinned) Connector to LC Duplex Uniboot, with 33/36 inch legs, pulling grip one side, 50 µm multimode (OM4), 100 ft
EAN Code	4056418686356
Weight	13.9 kg (6.3 lb)
Length	100 ft (-0 ft/+4 ft) (30 m (-0 m/+1.2 m))

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Shipping Information

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

RoHS COMPLIANT

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