

EDGE8® Hybrid Trunk 8F, Bend-Improved single-mode (OS2), 100 ft



Part Number:
GE77808GPNDLW100F

The EDGE8® Hybrid MTP® to LC duplex uniboot trunks combine pinned MTP connectors that connect to EDGE8 modules, and duplex uniboot LC connectors that connect directly to the electronics enabling more options for the cabling of data centers.

Features and Benefits

Snap-in strain-relief clips

Provide easier cable management

Small outer diameter

Improves cable tray fill ratio and allows for imported airflow

Low-loss connectivity

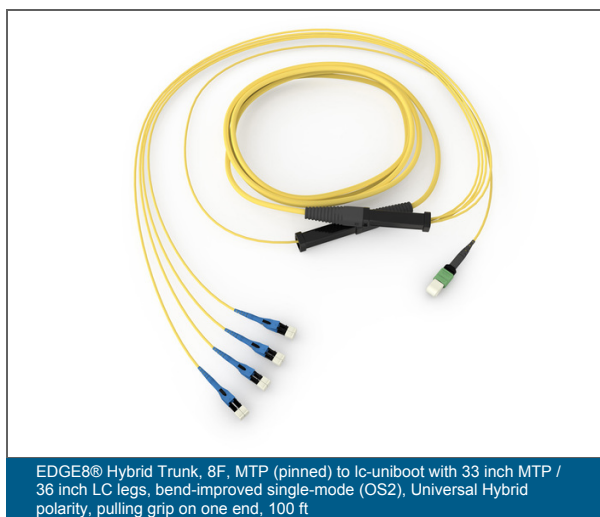
Enables system design flexibility

Bend-improved fiber

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

Corning® CleanAdvantage™ technology and optimized dust cap

Eliminates the need for scoping and cleaning prior to initial field connection



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Specifications

General Specifications

Flame Rating	Plenum (OFNP)
Fiber Category	Bend-improved SM (OS2)
Cable Assembly Type	EDGE8® Trunk
Environment	Indoor
Cable Type	Indoor: ANSI/ICEA S-83-596
Pulling grip	Yes
Connector Assembly Type	MTP to LC

Standards

Fiber Standards	ITU-T G.652.D and ITU-T G.657.A1
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	NFPA 262, National Electrical Code® (NEC®), OFNP, CSA FT-6

Environmental Conditions

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

Fiber Count	8
Polarity	Universal hybrid
Fiber Type	Single-mode

Mechanical Specifications

Nominal Outer Diameter	5 mm (0.2 in)
Min. Bend Radius Installation	75 mm (2.95 in)
Min. Bend Radius Operation	25 mm (0.98 in)

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Mechanical Specifications

Weight	23.5 kg/km (15.79 lb/1000 ft)
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Optical Characteristics

Fiber Code	Z
Performance Option Code	01
Fiber Category	OS2
Fiber Type	Single-mode (OS2) / 250 µm
Fiber Name	Bend-Improved Single-mode (OS2)
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Compliance	ITU-T G.652.D and ITU-T G.657.A1

Specifications - Connector A

Insertion Loss, Max.	0.35 dB
Boot Color	Black
Connector Type	MTP® (pinned)
Ferrule Material	Composite
Reflectance	< -65 dB

Specifications - Connector B

Insertion Loss, Max.	0.25 dB
Boot Color	Blue
Connector Type	LC Uniboot
Ferrule Material	Ceramic
Reflectance	< -55 dB

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Pulling Grip - Connector A

Pulling grip	Yes
Tensile Strength	440 N (98.92 lbf)
Grip Outer Diameter	38 mm (1.5 in)

Dimensions

Length	100 ft
Cable Weight	23.5 kg/km (15.79 lb/1000 ft)

Ordering Information

Product Number	GE77808GPNDLW100F
Packaging Method	Plastic reel
Units per Delivery	1/1

Furcation - Connector A

Leg Length	840 mm -0 / +76mm (33.07 in -0 / +2.99in)
Furcation Type	EDGE™ Size 1, 14.7 mm x 14.7 mm x 108.6 mm
Leg Color	Yellow
Leg Diameter	2 mm (0.08 in)
Leg Count	1

Furcation - Connector B

Furcation Type	EDGE™ Size 1, 14.7 mm x 14.7 mm x 108.6 mm
Leg Diameter	2 mm (0.08 in)
Leg Length	914 mm (35.98 in)

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