

EDGE™ Indoor High-Fiber-Count Trunks

CORNING

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

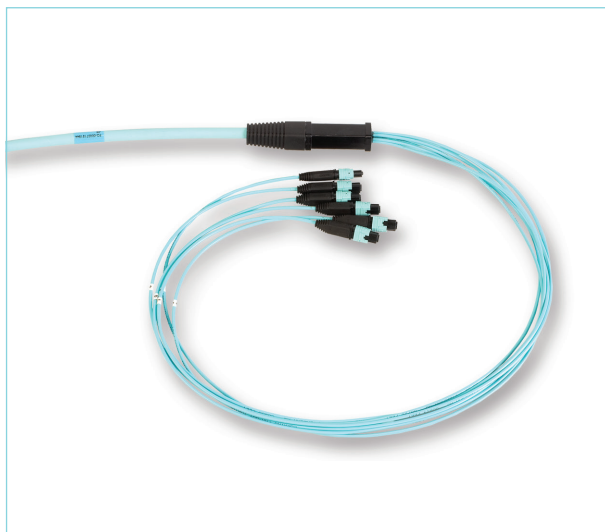
Universal wired components

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

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.



EDGE MTP Trunk
| Photo LAN1550



EDGE MTP Extender Trunk
| Photos LAN1548 and LAN1550

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Trunk Specifications

Mechanical Characteristics					
Fiber Count	Nominal Outer Diameter	Pulling Grip Outer Diameter	Weight	Min. Bend Radius Installation	Min. Bend Radius Operation
192	13.5 mm (0.53 in)	38.1 mm (1.5 in)	182.1 kg/km (119.5 lb/1000 ft)	203 mm (8.0 in)	67.5 mm (2.7 in)
216	14.0 mm (0.55 in)	38.1 mm (1.5 in)	194.7 kg/km (127.8 lb/1000 ft)	210 mm (8.3 in)	70.0 mm (2.8 in)
288	16.0 mm (0.63 in)	38.1 mm (1.5 in)	237.7 kg/km (156 lb/1000 ft)	240 mm (9.5 in)	80.0 mm (3.2 in)
432	22.0 mm (0.87 in)	48.0 mm (1.9 in)	392.9 kg/km (257.8 lb/1000 ft)	330 mm (13.0 in)	110.0 mm (4.4 in)
576	24.5 mm (0.96 in)	48.0 mm (1.9 in)	469.4 kg/km (308 lb/1000 ft)	368 mm (14.4 in)	122.5 mm (4.8 in)

Transmission Performance

Fiber Type	Multimode	Multimode	Single-mode
Fiber Core Diameter (μm)	50	50	8.2
Fiber Category	OM3	OM4	OS2
Fiber Code	T	Q	G
Performance Option Code	80	90	01
Wavelengths (nm)	850/1300	850/1300	1310/1383/1550
Maximum Attenuation (dB/km)	2.8/1.0	2.8/1.0	0.4/0.4/0.3
Serial 1 Gigabit Ethernet (m)	1000/600	1100/600	5000/-/-
Serial 10 Gigabit Ethernet (m)	300/-	550/-	10000/-/40000
Min. Overfilled Launch (OFL) Bandwidth (MHz*km)	1500/500	3500/500	-
Minimum Effective Modal Bandwidth (EMB) (MHz*km)	2000/-	4700/-	-
Induced Attenuation @ 7.5 mm Radius (dB)	< 0.2(2 turns, 850 nm)	< 0.2(2 turns, 850 nm)	-

* Single-mode (OS2) fiber is ITU-T G.652.D compliant.

* 50 μm multimode fiber (OM3/OM4) meets 0.75 ns optical skew when used in all Corning Plug & Play™/EDGE™ systems solutions.

* OM3/OM4 Multimode fiber minimum effective modal bandwidth assumes 1.0 dB maximum total connector/splice loss.

Notes: 1) Improved attenuation and bandwidth options available.
 2) Bend-insensitive single-mode fibers available on request.
 3) Contact a Corning Customer Care Representative for additional information.

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EDGE™ Indoor High-Fiber-Count Extender Trunk

Ordering Information

1	2	3	4	5	P N	C	D	X	10	11	

1 Select grip.
G = Grip on first end only
Z = No grip

2 Select MTP® connector (end one on outside of reel).
93 = MTP, low loss (pinned) MM
89 = MTP, standard loss (pinned) SM
00 = Pigtail

3 Select MTP connector (end two on inside of reel).
75 = MTP, low loss (non-pinned) MM
90 = MTP, standard loss (non-pinned) SM

4 Select standard fiber count.
K2 = 192 fiber
M6 = 216 fiber
U8 = 288 fiber
AK = 432 fiber
AZ = 576 fiber

5 Select fiber type.
T = 50 µm multimode (OM3)
Q = 50 µm multimode (OM4)
G = Single-mode Ultra (OS2)

6 Defines cable type.
PN = Plenum, non-armored

7 Defines leg length (end one on outside of reel).
C = 60 in (+3/-0 in)
Mates with trunk (long leg reaches from rear to the front side of housing).

8 Defines leg length (end two on inside of reel).
D = 33 in (+3/-0 in)
Mates with module/harness.

9 Defines trunk type.
X = Universal extender

10 Select cable length.
005-999 feet
(1 ft increments measured from furcation plug to furcation plug)
002-300 meters
(1 mt increments measured from furcation plug to furcation plug)

11 Select unit of measure.
F = Feet
M = Meters



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