

EDGE™ Trunk Cable

50 µm MM (OM4), MTP® (NP) to MTP (NP), 432F, with 33/33-in legs, non-armored EDGE, plenum, pulling grip one end, 100 ft



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

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)

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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

Reflectance, Typical	< -20 dB
Insertion Loss, Max.	0.35 dB

Design - Connector B

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

Optical Specifications - Connector B

Reflectance, Typical	< -20 dB
Insertion Loss, Max.	0.35 dB

Cable Design

Fiber Count	432
Outer Jacket Color	Aqua
Polarity	Universal; TIA-568 Type-B

Mechanical Characteristics Cable

Nominal Outer Diameter	22.0 mm (0.87 in)
Min. Bend Radius Installation	330 mm (13.0 in)
Min. Bend Radius Operation	110.0 mm (4.4 in)
Max. Tensile Strength for Installation	440 N
Weight	392.9 kg/km (257.8 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	850 nm / 1300 nm
Maximum Attenuation	3.0 dB/km / 1.0 dB/km
Serial 1 Gigabit Ethernet	1000 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
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	4700 MHz*km / -

Furcation - Connector A

Leg Length	838 mm (+76 mm/-0 mm) (33 in (+3 in/-0 in))
Leg Diameter	2.0 mm
Leg Color	Aqua

Furcation - Connector B

Leg Length	838 mm (+76 mm/-0 mm) (33 in (+3 in/-0 in))
Leg Diameter	2.0 mm
Leg Color	Aqua

Pulling Grip - Connector A

Pulling Grip - Connector A	Yes
Pulling Grip Outer Diameter	48.0 mm (1.9 in)
Min. Duct Size Diameter	50.0 mm (2.0 in)
Tensile Strength	440 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 2011/65/EU
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Ordering Information

Part Number	G7575AKQPNDU100F
Product Description	EDGE™ Solutions Trunk Cable, 50 µm MM (OM4), MTP® (NP) to MTP (NP), 432F, with 33/33-in legs, non-armored EDGE, plenum, pulling grip one end, 100 ft
EAN Code	4056418685663
Length	100 ft (+3 ft/-0 ft) (30.5 m (+0.91 m/-0 m))

Shipping Information

Units per Delivery	1/1
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