

EDGE™ Solutions Trunk Cable, SMF-28®

Ultra OS2, MTP® to MTP, 144 fibres

840/840 mm leg lengths, pulling grip one side, 20 m

CORNING

EDGE MTP® trunks are preterminated cables with 12-fibre MTP connectors or LC duplex connectors on either side. The trunks build up the major skeleton of the passive network infrastructure, and thanks to the superior design including Corning® ClearCurve® fibre, they enable rapid deployment for your campus LAN or data centre facility. All trunks are shipped with strain-relief clips that allow for the tool-less installation in both EDGE Solutions and Plug & Play™ Systems housings. These trunks conform to TIA-568 Type-B polarity.

Features and Benefits

Provide 12 to 144 fibre connectivity

Cables are: Low smoke (IEC 61034) and zero-halogen (IEC 60754-1), flame retardant to IEC 60332-3 and non-corrosive to IEC 60754-2 (FRNC)

Utilise MTP connectors

- Small Form Factor
- 12-fibre push/pull optical connectors
- minimize errors and reduce space

Allow for lower bend radii and smaller slack loops

Enable up to 6x the cable tray capacity over traditional bulkier cabling solutions

Save up to 65 percent space, minimize cable tray weight and improve air flow

Meet the highest skew criteria for 100G

Feature round furcation legs that provide easy routing and improved storage

Feature small-profile furcation plugs

- allow stress-free cable mounting
- leave no legs outside the housing
- are shipped with strain-relief mounting cradles

Are available with optional flexible pulling grips that

- allow easy installation around corners
- allow trunk pull through conduits up to 450 N
- provide complete protection for connectors

Standards

Intermateability TIA/EIA-604-5 / TIA/EIA-604-5



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Standards

Flame Resistance	Flame retardant to IEC 60332-1-2 (single cable), Zero Halogen to IEC 60754-1, Non Corrosive to IEC 60754-2
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Specifications

General Specifications	
Flame rating	LSZH™/FRNC
Fibre Category	SMF-28® Ultra fibre
Cable assembly type	Multi Fibre

Temperature Range	
Operation	0 °C to 60 °C
Installation and assembly	0 °C to 50 °C
Storage	-25 °C to 70 °C

Design - Connector A	
Connector Type	MTP® (non-pinned)
Ferrule Material	Composite
Polish	APC
Housing material	Composite
Housing Colour	green
Boot type	Individual
Boot colour	black
Keyed (security)	No

Mechanical Specifications - Connector A	
Durability	≤ 0.2 dB 200 rematings, FOTP-21
Tensile strength jacketed cable	44 N

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Optical Specifications - Connector A

Insertion loss, max.	≤ 0.25 dB
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Design - Connector B

Connector Type	MTP® (non-pinned)
Ferrule Material	Composite
Polish	APC
Housing material	Composite
Housing Colour	green
Boot type	Individual
Boot colour	black
Keyed (security)	No

Mechanical Specifications - Connector B

Durability	≤ 0.2 dB 200 rematings, FOTP-21
Tensile strength jacketed cable	44 N

Optical Specifications - Connector B

Insertion loss, max.	≤ 0.25 dB
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Cable Design

Polarity	Universal
Fibre Count	144
Outer jacket colour	yellow
Outer jacket material	LSZH™/FRNC
Outer diameter	11.1 mm (± 0.4 mm)
Min. Bend Radius Installation	222 mm
Min. Bend Radius Operation	111 mm
Crush resistance (reversible)	350 N/10 cm
Tensile strength	450 N

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Mechanical Characteristics Cable

Weight	102.00 kg/km
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Furcation - Connector A

Legs Count	12
Leg length	840 mm
Fibre Count	144
Plug Type	Size 2 EDGE™
Plug Dimensions	108.6 x 20 x 20 mm
Leg diameter	2.0 mm

Furcation - Connector B

Legs Count	12
Leg length	840 mm
Fibre Count	144
Plug Type	Size 2 EDGE™
Plug Dimensions	108.6 x 20 x 20 mm
Leg diameter	2.0 mm

Pulling grip - Connector A

Pulling grip - Connector A	Yes
Tensile strength	450 N
Pulling Grip Outer Diameter	56 mm
Min. duct size diameter	89 mm

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	G9090E4GLZ88U020M
Product Description	EDGE™ Solutions Trunk Cable, SMF-28® Ultra OS2, MTP® Connector to MTP Connector, 144 fibres, 840/840 mm leg lengths, pulling grip one side, 20 m
EAN Code	4042673010852
Length	20 m

Shipping Information

Packing type	Plastic reel
Packing contents	2x Pretium EDGE® clip size 2 test report
Units Per Delivery	1/1



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