

EDGE8® Staggered Harness 8F, 50 µm multimode (OM4), MTP® PRO (pinned), LSZH, TIA-568 Type-B polarity, Type 1 (reference AEN157), 3 m

CORNING

Part Number:
HE57908QLZ-1B003M

The EDGE8® QSFP to SFP+ harness is a 1x4 MTP® PRO to LC duplex harness (one pinned or non-pinned 8-fiber MTP PRO connector on one end, four LC duplex connectors on the other) for connection to electronics with LC-style ports and for use in aggregation of 10G ports to a 40G port.

For polarity guidance, reference applications engineering note AEN156.

For stagger selection, reference applications engineering note AEN157.

Features and Benefits

Slim round 2-fiber interconnect cable

Improves airflow and reduces congestion

MTP® PRO connectors

Allows for pinning and polarity changes in the field

Low-loss connectivity

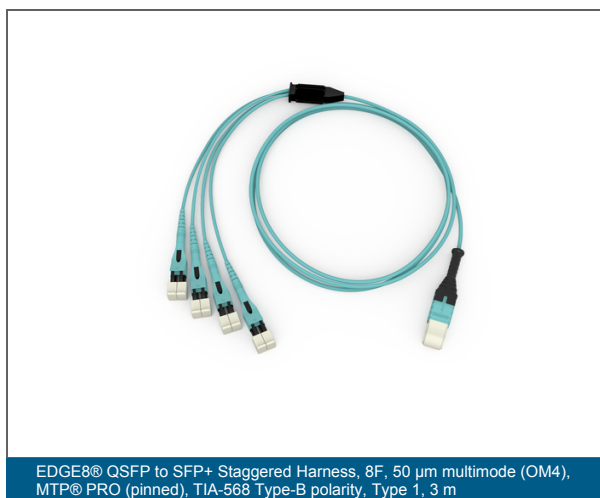
Enables system design flexibility

Bend-improved fibre

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

Corning® CleanAdvantage™ technology and optimised dust cap

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



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Specifications

General Specifications

Flame rating	LSZH/FRNC
Fibre category	Bend-improved 50 µm MM (OM4)
Cable assembly type	EDGE8® Harness
Application	Data Centre, High-density field switches
Cable Type	Interconnect

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Intermateability	TIA/EIA-604-5 / TIA/EIA-604-5

Environmental Conditions

Temperature range, installation	0 °C to 50 °C
Temperature range, operation	-10 °C to -60 °C

Design

Fibre count	8
Polarity	TIA-568 type-B

Mechanical Characteristics

Nominal outer diameter	2 mm
Max. tensile strength for installation	220 N
Min. bend radius installation	30 mm
Min. bend radius operation	10 mm

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Optical Characteristics

Fibre code	T
Performance option code	98
Fibre category	OM4
Fibre Type	Multimode
Fibre name	50 µm MM (OM4)
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Wavelengths	850 nm / 1300 nm
Fibre compliance	IEC 60793-2-10
Fibre core diameter	50 µm
Cladding diameter	125 µm
Coating diameter	242 µm
Serial 1 gigabit ethernet	1000 m / 600 m
Serial 10 gigabit ethernet	550 m / -
Minimum effective modal bandwidth (EMB)	4700 MHz*km / -
Min. overfilled launch (OFL) bandwidth	3500 MHz*km / 500 MHz*km

Specifications - Connector A

Polish	UPC
Insertion loss, max.	0.25 dB
Boot colour	Black
Connector type	MTP® PRO (pinned)
Ferrule material	Composite
Boot type	Simplex
Reflectance	< -20 dB

Specifications - Connector B

Insertion loss, max.	0.1 dB
Connector type	LC Uniboot

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Specifications - Connector B

Ferrule material	Ceramic
Reflectance	< -20 dB

Furcation - Connector A

Leg length non-unit	Stagger 1
Furcation type	EDGE™ Harness Plug
Leg colour	Turquoise
Leg diameter	2 mm

Furcation - Connector B

Leg length non-unit	Stagger 1
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Dimensions

Length	3 m
Cable Weight	4.6 kg/km

Ordering Information

Product Number	HE57908QLZ-1B003M
Units per delivery	1/1



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