

# EDGE8® MTP® PRO Jumper 8F, 50 µm multimode (OM4), MTP PRO X (pinned) to MTP PRO X (non-pinned), LSZH, TIA-568 Type-B polarity, no pulling grip, 3 M



CORNING

**Part Number:**  
**JE2E908QEZ-NB003M**

EDGE8® 8-fiber MTP® PRO jumpers allow for seamless migration to higher data rates in the data center when used in conjunction with EDGE8 trunks. These assemblies have the same connector size and cable footprint as duplex LC jumpers. The density, airflow, and cable management advantages of EDGE8 solutions are preserved as you migrate to higher data rates.

These MTP Jumpers are built utilizing MTP PRO connectors. MTP PRO allows for a simple, one-step, color-coded polarity change without removing the connector housing. The connector also provides the capability for field-friendly pinning configuration changes with safe handling of pins and easy color identification while maintaining product integrity.

EDGE8 MTP jumpers are manufactured with Corning® CleanAdvantage™ and shipped with optimized dust caps, eliminating the need for cleaning and scoping prior to initial field connection.

For polarity guidance, reference applications engineering note AEN156.

## Features and Benefits

### **Slim round 2-fiber interconnect cable**

Improves airflow and reduces congestion

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### **MTP® PRO connectors**

Allows for pinning and polarity changes in the field

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### **Bend-improved fiber**

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

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### **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	LSZH/FRNC
Fiber Category	50 µm MM (OM4)
Cable Assembly Type	EDGE8 Jumper
Environment	Indoor
Cable Type	Interconnect
Assembly Insertion Loss	≤ 0.35 dB

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 (32 °F to 122 °F )
Temperature Range, Operation	-10 °C to 60 °C (14 °F to 140 °F )
Temperature Range, Storage	-25 °C to 70 °C (-13 °F to 158 °F )

Design	
Fiber Count	8
Polarity	TIA-568 Type-B
Fiber Type	Multimode

Mechanical Specifications	
Minimum Bend Radius	17 mm
Nominal Outer Diameter	2 mm
Max. Tensile Strength for Installation	220 N

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Mechanical Specifications	
Crush Resistance	350 N/10 cm
Min. Bend Radius Installation	30 mm
Min. Bend Radius Operation	10 mm

Optical Characteristics	
Fiber Code	T
Performance Option Code	98
Fiber Category	OM4
Fiber Type	Multimode
Fiber Name	50 µm MM (OM4)
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Wavelengths	850 nm / 1300 nm
Fiber Compliance	IEC 60793-2-10
Fiber 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	APC
Insertion Loss, Max.	0.35 dB
Note:	*IL in preconnectorized products is measured in the factory through two mated pairs.
Tensile Strength Jacketed Cable	40 N
Durability	≤ 0.2 dB change, 200 rematings, FOTP-21
Boot Color	Black

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Specifications - Connector A	
Connector Type	MTP PRO X® (non-pinned)
Ferrule Material	Composite
Boot Type	Simplex
Reflectance	< -45 dB

Specifications - Connector B	
Polish	APC
Insertion Loss, Max.	0.35 dB
Note:	*IL in preconnectorized products is measured in the factory through two mated pairs.
Tensile Strength Jacketed Cable	40 N
Durability	≤ 0.2 dB change, 200 rematings, FOTP-21
Boot Color	Black
Connector Type	MTP PRO X® (non-pinned)
Ferrule Material	Composite
Boot Type	Simplex
Reflectance	< -20 dB

Dimensions	
Length	3 m
Cable Weight	9 kg/km

Ordering Information	
Product Number	JE2E908QEZ-NB003M
Packaging Method	Cardboard box
Shipping Height	180 mm
Shipping Width	250 mm
Shipping Depth	380 mm

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**Ordering Information**

Units per Delivery

1/1



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