

12-Fiber MTP® Jumper

50 µm multimode (OM4), MTP (pinned) to MTP (pinned), TIA-568 Type-B polarity, no pulling grip, 10 ft

CORNING

The 12-fiber MTP® jumpers allow for the seamless migration to higher data rates for multimode systems in the data center when used in conjunction with our universal trunks. This jumper is based around pinned or non-pinned 12-fiber MTP connectors.

Features and Benefits

Factory-terminated solutions

Provide consistent quality, ensure system performance, and reduce installation time

Low insertion loss performance

Allows for more connections in a link when deploying a TIA-942-compliant system



Specifications

General Specifications	
Application	Data Center LAN/SAN
Flame Rating	NFPA 262 (for plenum, riser and general building applications)
Cable Assembly Type	Multifiber
Cable Type	Interconnect
Fiber Category	Bend-improved 50 µm MM (OM4)
Assembly Insertion Loss	≤ 0.5 dB

Temperature Range	
Operation	-10 °C to 60 °C (14 °F to 140 °F)

Design - Connector A	
Connector Type	MTP® (pinned)
Ferrule Material	Composite

12-Fiber MTP® Jumper

50 µm multimode (OM4), MTP (pinned) to MTP (pinned), TIA-568 Type-B polarity, no pulling grip, 10 ft

CORNING

Optical Specifications - Connector A

Reflectance, Typical	< -20 dB
----------------------	----------

Design - Connector B

Connector Type	MTP® (pinned)
Ferrule Material	Composite

Optical Specifications - Connector B

Reflectance, Typical	< -20 dB
----------------------	----------

Cable Design

Fiber Count	12
Outer Jacket Color	Aqua
Polarity	TIA-568 Type-B

Mechanical Characteristics Cable

Nominal Outer Diameter	2.0 mm (0.08 in)
Min. Bend Radius Installation	30 mm (1.2 in)
Min. Bend Radius Operation	10 mm (0.40 in)
Max. Tensile Strength for Installation	220 N (49 lbf)
Weight	10 kg/km (6.7 lb/1000 ft)

Optical Characteristics (cabled)

Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	4700 MHz*km / -
Serial 1 Gigabit Ethernet	1100 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)
Skew	< 0.75 ns @ 300 m

12-Fiber MTP® Jumper

50 µm multimode (OM4), MTP (pinned) to MTP (pinned), TIA-568 Type-B polarity, no pulling grip, 10 ft



Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
------	---

Ordering Information

Part Number	J939312QE8-NB010F
Product Description	12-Fiber MTP® Jumper, 50 µm multimode (OM4), MTP (pinned) to MTP (pinned), TIA-568 Type-B polarity, no pulling grip, 10 ft
Weight	0.23 kg (0.5 lb)
Length	3 m (10 ft)

Shipping Information

Units per Delivery	1/1
--------------------	-----



Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/trademarks.

All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified.

© 2015 Corning Optical Communications. All rights reserved.

