

12-Fiber MTP® PRO Jumper SMF-28® Ultra single-mode (OS2), MTP (non-pinned) to MTP (pinned), TIA-568 Type-B polarity, no pulling grip, LSZH, 2 m

CORNING

Part Number:
J908912GEZ-NB002M

EDGE™ MTP® PRO patch cords are used to create a connection between MTP adapter panels, conversion modules, and electronics, typically providing connectivity within the rack or the row. These cable assemblies feature a smaller (2.0 mm) outside diameter than traditional 12-fibre patch cords to improve finger access and reduce congestion and increase airflow in the horizontal and vertical rack space. EDGE 12-fibre MTP patch cords have the same connector size and cable footprint as LC duplex patch cords used today. The density, airflow, and cable management advantages of EDGE solutions was preserved as you migrate to higher data rates.

These patch cords are manufactured using Corning® CleanAdvantage™ technology and shipped with optimised dust caps, eliminating the need for cleaning and scoping prior to the initial field connection. They are built with MTP PRO push-pull connectors, allowing for a simple one-step colour-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 colour identification while maintaining product integrity.

Features and Benefits

Slim round 2-fiber interconnect cable

Improves airflow and reduces congestion

MTP® PRO connectors

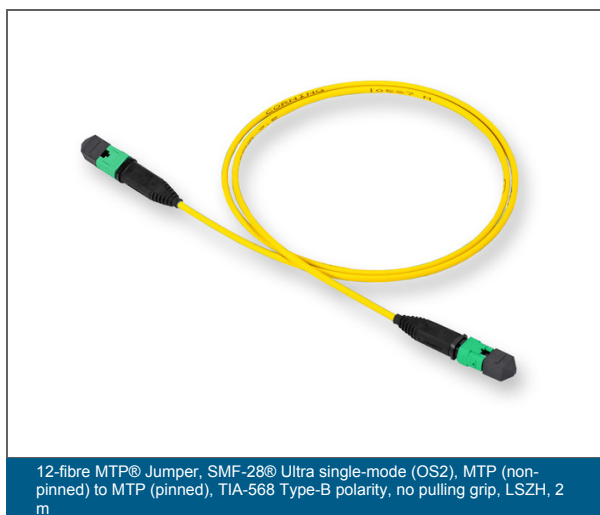
Allows for pinning and polarity changes in the field

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	SMF-28® Ultra
Cable Type	Interconnect

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Environmental Conditions

Temperature range, operation	-10 °C to 60 °C
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Design

Fibre count	12
Outer jacket material	LSZH/FRNC
Fibre Type	SMF-28® Ultra

Mechanical Characteristics

Minimum bend radius	35 mm
Tensile strength	200 N
Crush resistance	750 N/10 cm

Optical Characteristics

Fibre code	Z
Performance option code	20
Fibre category	OS2
Fibre Type	Single-mode (OS2) / 250 µm

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Optical Characteristics	
Fibre name	Bend-Improved Single-mode (OS2)
Maximum Attenuation	0.34 dB/km / 0.34 dB/km / 0.20 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fibre compliance	ITU-T G.652.D and ITU-T G.657.A1
Fibre core diameter	8.2 µm
Cladding diameter	125 µm
Coating diameter	242 µm
Dispersion @ 1550 nm	≤ 18 [ps/(nm*km)]
Dispersion @ 1625 nm	≤ 22 [ps/(nm*km)]
Cable cutoff wavelength	1260 nm
Mode-Field Diameter at 1310 nm	9.2 µm
Mode-Field Diameter at 1550 nm	10.4 µm
PMD Link Design Value	≤ 0.04 ps/√km
PMD (Polarization Mode Dispersion) maximum individual fibre	≤ 0.1 ps/√km

Specifications - Connector A	
Reflectance, typical	< -20 dB
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	10 N
Durability	≤ 0.2 dB change, 200 rematings, FOTP-21
Keyed (security)	No
Boot colour	Black
Connector type	MTP® (pinned)
Ferrule material	Composite
Housing colour	Black / green
Housing material	Composite

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Specifications - Connector A

Boot type	Simplex
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Specifications - Connector B

Reflectance, typical	< -20 dB
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	10 N
Durability	≤ 0.2 dB change, 200 rematings, FOTP-21
Keyed (security)	No
Boot colour	Black
Connector type	MTP® (non-pinned)
Ferrule material	Composite
Housing colour	Black / green
Housing material	Composite
Boot type	Simplex
Reflectance	≤ -20 dB

Pulling grip - Connector B

Tensile strength	200 N
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Dimensions

Length	2 m
Outer diameter	2 mm
Weight	2 kg

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Ordering Information

Product Number	J908912GEZ-NB002M
Packaging method	Cardboard box
Shipping Height	180 mm
Shipping Width	250 mm
Shipping Depth	380 mm
Units per delivery	1/1



Corning Optical Communications GmbH & Co. KG • Leipziger Strasse 121 • 10117 Berlin, Germany
00 800 2676 4641 • FAX: • www.corning.com/opcomm/emea

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