

Plug & Play™ Universal Trunk Cable, OM3, MTP® Connector to MTP Connector, 12 fibres

600/600 mm leg lengths, pulling grip one side, 20 m

CORNING

Plug & Play™ universal systems trunk connections are available in fibre counts of 12 to 144 fibres. Using the MTP® connector, a 12-fibre push/pull optical connector with a footprint similar to the SC simplex connector, high density and rapid deployment with space savings and minimal error can be realized. The MTP® connector, used in conjunction with high-density ribbon cable, provides a space saving of up to 45 percent and three times the fibre-tray capacity over traditional bulkier cabling solutions. Cable tray weight and cooling air impediment are minimized. Corning's enhanced pulling grip and furcation plug make deployment and installation quicker and easier than ever before. The furcation plug mechanically joins the trunk cable and furcation legs, providing strain-relief and featuring a design which allows easy integration into Corning hardware. Optional brackets are available for mounting the furcation plug into equipment racks and cabinets.

Features and Benefits

For 12- and 24-fibre trunks, Data Center Cable, a round, FRNC distribution cable with a small outside diameter is used, allowing more room for trunk cables and easier routing in patch panels without preferential bend concerns

MTP® connector meets requirements of ANSI HIPPI-6400 and IEC 61754-7 and TIA/EIA-604 (FOCIS)

MTP® connector-based trunks systems plug into break-out Plug & Play™ Universal Systems modules or harnesses

Metal-free, therefore no grounding concerns

Pulling grips provide complete protection for connectors and allow trunks pull through conduits up to 450 N

Delivered with 2 trunk holders

Test report for every single trunk

Standards

Intermateability	TIA/EIA-604-5 / TIA/EIA-604-5
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	50 µm MM (OM3)
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	PC
Housing material	Composite
Housing Colour	Turquoise
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

Optical Specifications - Connector A

Insertion loss, max.	≤ 0.5 dB
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Design - Connector B

Connector Type	MTP® (non-pinned)
Ferrule Material	Composite
Polish	PC

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Design - Connector B

Housing material	Composite
Housing Colour	Turquoise
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.	≤ 0.5 dB
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Cable design

Fibre Count	12
Outer jacket colour	Turquoise
Outer jacket material	LSZH™/FRNC
Outer diameter	4.5 mm (± 0.2 mm)
Min. Bend Radius Installation	90 mm
Min. Bend Radius Operation	45 mm
Crush resistance (reversible)	350 N/10 cm
Tensile strength	450 N

Mechanical Characteristics Cable

Weight	20.48 kg/km
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Furcation - Connector A

Legs Count	1
Leg length	600 mm
Fibre Count	12
Plug Type	Size 0 PnP

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Furcation - Connector A

Plug Dimensions	105 x 16 x 21 mm
Leg diameter	2.0 mm

Furcation - Connector B

Legs Count	1
Leg length	600 mm
Fibre Count	12
Plug Type	Size 0 PnP
Plug Dimensions	105 x 16 x 21 mm
Leg diameter	2.0 mm

Pulling grip - Connector A

Pulling grip - Connector A	Yes
Tensile strength	450 N
Pulling Grip Outer Diameter	36 mm
Min. duct size diameter	61 mm

Pulling grip - Connector B

Pulling grip - Connector B	No
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Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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Fibre Specifications

Optical Characteristics (cabled)

Fibre name	G50/125 ULTRA-BEND 7.5
Fibre core diameter	50 µm

Notes: 1) 50 µm multimode fibre macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel
2) Meets 0.75 ns optical skew when used in all Corning Plug and Play™/EDGE™ systems solutions.
3) Improved attenuation and bandwidth options available
4) Bend-insensitive single-mode fibres available on request.
5) Contact a Corning Customer Care Representative for additional information

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Fibre Specifications

Optical Characteristics (cabled)	
Fibre Category	OM3
Fibre code	T
Wavelengths	850 nm / 1300 nm
Maximum attenuation	2.8 dB/km / 1.0 dB/km
Typical attenuation	2.4 dB/km / 0.8 dB/km
Serial 1 gigabit ethernet	1000 m / 600 m
Serial 10 gigabit ethernet	300 m / 333 m
Min. overfilled launch (OFL) bandwidth	1500 MHz*km / 500 MHz*km
Minimum effective modal bandwidth (EMB)	2000 MHz*km / -
Induced attenuation @ 7.5 mm radius	< 0.2 dB / -

Notes: 1) 50 µm multimode fibre macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel
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Ordering Information

Part Number	A696912TDZAAU020M
Product Description	Plug & Play™ Universal Trunk Cable, OM3, MTP® Connector to MTP Connector, 12 fibres, 600/600 mm leg lengths, pulling grip one side, 20 m
EAN Code	4056418635583
Length	20 m

Shipping Information

Packing type	Plastic reel
Packing contents	2x PnP clip size 0, test report
Units Per Delivery	1/1



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