

Plug & Play™ Universal Low-Loss MTP® Trunk, 50 µm multimode (OM3)

MTP® (non-pinned) to MTP (non-pinned), 36 F, with 24 inch leg lengths, pulling grip one side, 20 ft

CORNING

Plug & Play™ Universal Systems trunks are available in fiber counts of 12 to 144 fibers. Trunks are terminated with the MTP® Connector for high-density applications to provide space savings and rapid deployment with minimal error. The 12-fiber push-pull optical connector has a footprint similar to the SC simplex connector and provides a space savings of up to 45 percent and three times the fiber-tray capacity over traditional bulkier cabling solutions when used in conjunction with high-density cables. This serves to minimize weight in the cable tray and reduce impediments to airflow for cooling.

Corning Cable Systems pulling grip and furcation plug make deployment and installation quick and easy. The pulling grip provides unsurpassed connector protection and intuitive access to the preterminated assembly for rapid network deployment. The small-form-factor furcation plug mechanically joins the trunk cable and furcation legs, providing strain-relief and a design that allows easy integration into Corning Cable Systems hardware. Optional brackets are available for mounting the furcation plug into patch panels, racks or cabinets.

Features and Benefits

Factory-terminated solutions

Provide consistent quality, ensure system performance and reduce installation time

Universal-wired modular system components

Enable moves, adds and changes without polarity concerns; provide a simple migration path between 2-fiber and parallel optics applications

Low insertion loss performance

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

Corning® ClearCurve® 50 µm Optical Fiber

Offers enhanced bend performance, allowing tighter cable routing without negatively impacting system performance

100G Ready performance

Ensures product will meet the requirements of 100G Ethernet applications



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Features and Benefits

Maximum skew of 0.75 ns

Product is assured to work in parallel optic applications for Ethernet, Fibre Channel and InfiniBand

Protective pulling grip

Protects one end of the assembly during installation

Standards

Approval and Listings National Electrical Code® (NEC) OFNP, CSA FT-6, ICEA S-83-596

Design and Test Criteria NFPA 262 (for plenum, riser and general building applications)

Specifications

General Specifications	
Application	Data Center LAN/SAN
Flame Rating	Plenum (OFNP)
Fiber Category	50 µm MM (OM3)
Cable Assembly Type	Plug & Play™ Trunk
Cable Type	Ribbon

Temperature Range	
Operation	0 °C to 70 °C (32 °F to 158 °F)

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

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Optical Specifications - Connector A

Reflectance, Typical	< -20 dB
Insertion Loss, Max.	0.35 dB

Design - Connector B

Connector Type	MTP® (non-pinned)
Ferrule	Composite

Optical Specifications - Connector B

Reflectance, Typical	< -20 dB
Insertion Loss, Max.	0.35 dB

Cable Design

Fiber Count	36
Outer Jacket Color	Aqua
Polarity	Universal; TIA-568 Type-B

Mechanical Characteristics Cable

Nominal Outer Diameter	12.2 mm (0.48 in)
Min. Bend Radius Installation	122 mm (4.8 in)
Min. Bend Radius Operation	122 mm (4.8 in)
Max. Tensile Strength for Installation	1320 N
Weight	140 kg/km (94 lb/1000 ft)

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Optical Characteristics (cabled)

Fiber Compliance	IEC 60793-2-10 for A1a class 50/125 multimode fibers; TIA/EIA 492AAAC-A (OM3); ITU-T Recommendation G.651; ISO/IEC 11801 Grade OM3
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3 dB/km / 1 dB/km
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / -
Serial 1 Gigabit Ethernet	1000 m / 600 m
Serial 10 Gigabit Ethernet	300 m / -
Induced Attenuation @ 7.5 mm Radius	< 0.2 dB (2 turns; 7.5 mm radius; 850 nm)
Skew	< 0.75 ns @ 300 m

Furcation - Connector A

Leg Length	610 mm (+152 mm/-0 mm)
Leg Length in Inches - A	24 in (+6 in/-0 in)
Leg Color	Aqua
Furcation Type - A	PnP Size 1

Furcation - Connector B

Leg Length	610 mm (+152 mm/-0 mm)
Leg Length in Inches - B	24 in (+6 in/-0 in)
Leg Color	Aqua
Furcation Type - B	PnP Size 1

Pulling Grip - Connector A

Pulling Grip - Connector A	Yes
Outer Diameter	51 mm (2 in)
Min. Duct Size Diameter	64 mm (2.5 in)
Tensile Strength	440 N (100 lb)

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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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Ordering Information

Order Number	A757536TC8AAU020F
Product Description	Plug & Play™ Universal Low-Loss MTP® Trunk, 50 µm multimode (OM3), MTP® (non-pinned) to MTP (non-pinned), 36 F, with 24 inch leg lengths, pulling grip one side, 20 ft
Length in Feet	20 ft (+3 ft/-0 ft)
Length	6.1 m (+0.91 m/-0 m)

Shipping Information

Units per Delivery	1/1
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Corning Cable Systems LLC • PO Box 489 • Hickory, NC 28603-0489 USA

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

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