CORNIX

PRODUCT FAMILY DATASHEET

CNX-DS-F59-000 · REV 1.0 · 06 OCTOBER 2026

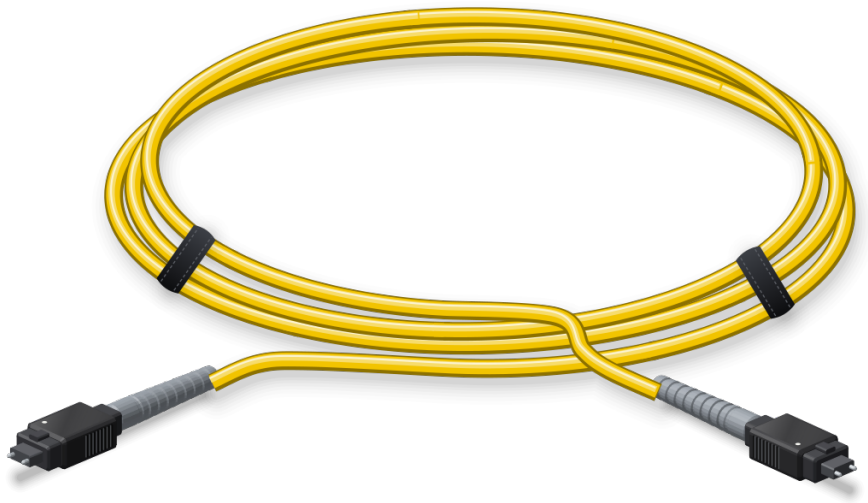
HIGH-DENSITY MTP/MPO

MTP/MPO Trunk Cable Assembly

PRE-TERMINATED · MTP/MPO TO MTP/MPO · LSZH

FAMILY **F59 · 7 PART NUMBERS**

SHOWN: CX-FTA-MTP-12-OS2-10M



12	≤ 0.35 dB	Method B (TIA-568)	10 m
FIBER COUNT	INSERTION LOSS (MTP/MPO)	POLARITY	LENGTH

OVERVIEW

Factory-terminated MTP/MPO trunk assemblies developed for high-density backbone links between data center rows, cabinets and cassettes, reducing on-site termination time where applicable.

- Factory-terminated MTP/MPO trunks
- Method B polarity, female–female
- LSZH micro-distribution cable
- APC end faces for single-mode
- Reduces on-site termination time

APPLICATIONS

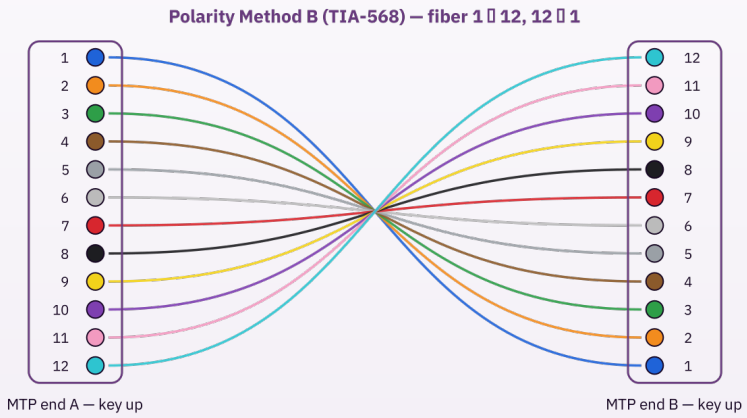
- Data center backbone between rows
- Cassette-to-cassette trunk links
- High-density 40G/100G-ready infrastructure

STANDARDS & COMPLIANCE

ISO/IEC 11801 · TIA-568.3-D · TIA-604-5 · IEC 61754-7 · RoHS compliant

Common Specifications

Values shared by all 7 part numbers in this family · variant-specific values on the following page



POLARITY SCHEMATIC — SHOWN FOR CX-FTA-MTP-12-OS2-10M

GENERAL

Polarity	**Method B (TIA-568)**
Connector gender	**Female – female (unpinned)**

CONSTRUCTION

Cable	**LSZH micro-distribution cable**

OPTICAL PERFORMANCE

Insertion loss (MTP/MPO)	**≤ 0.35 dB**
Durability	**500 mating cycles**

MECHANICAL

Crush resistance	**1000 N/100 mm**
Min. bend radius	**10 × OD static / 20 × OD under load**

ENVIRONMENTAL

Operating temperature	**-20 °C to +70 °C**

Ordering Information

7 part numbers · individual datasheets available for every part number

Part number	Description	Fibers	Fiber	Length	Connectors
CX-FTA-MTP-12-OS2-10M	MTP/MPO Trunk Cable Assembly, 12 Fiber, OS2, 10 m	12	OS2	10 m	MTP/MPO both ends
CX-FTA-MTP-12-OS2-30M	MTP/MPO Trunk Cable Assembly, 12 Fiber, OS2, 30 m	12	OS2	30 m	MTP/MPO both ends
CX-FTA-MTP-24-OS2-10M	MTP/MPO Trunk Cable Assembly, 24 Fiber, OS2, 10 m	24	OS2	10 m	MTP/MPO both ends
CX-FTA-MTP-24-OS2-30M	MTP/MPO Trunk Cable Assembly, 24 Fiber, OS2, 30 m	24	OS2	30 m	MTP/MPO both ends
CX-FTA-MTP-12-OM4-10M	MTP/MPO Trunk Cable Assembly, 12 Fiber, OM4, 10 m	12	OM4	10 m	MTP/MPO both ends
CX-FTA-MTP-12-OM4-30M	MTP/MPO Trunk Cable Assembly, 12 Fiber, OM4, 30 m	12	OM4	30 m	MTP/MPO both ends
CX-FTA-MTP-24-OM4-10M	MTP/MPO Trunk Cable Assembly, 24 Fiber, OM4, 10 m	24	OM4	10 m	MTP/MPO both ends

Variant-Specific Specifications

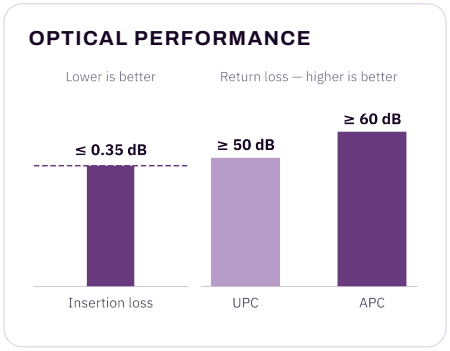
Values that differ between part numbers

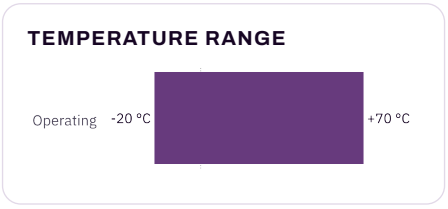
Part number	Fiber	Cable outer diameter	Return loss
CX-FTA-MTP-12-OS2-10M	OS2	4.5 mm	≥ 50 dB (UPC) / ≥ 60 dB (APC)
CX-FTA-MTP-12-OS2-30M	OS2	4.5 mm	≥ 50 dB (UPC) / ≥ 60 dB (APC)
CX-FTA-MTP-24-OS2-10M	OS2	7.0 mm	≥ 50 dB (UPC) / ≥ 60 dB (APC)
CX-FTA-MTP-24-OS2-30M	OS2	7.0 mm	≥ 50 dB (UPC) / ≥ 60 dB (APC)
CX-FTA-MTP-12-OM4-10M	OM4	4.5 mm	≥ 30 dB
CX-FTA-MTP-12-OM4-30M	OM4	4.5 mm	≥ 30 dB
CX-FTA-MTP-24-OM4-10M	OM4	7.0 mm	≥ 30 dB

Part number	Max. tensile load (short term)
CX-FTA-MTP-12-OS2-10M	500 N
CX-FTA-MTP-12-OS2-30M	500 N
CX-FTA-MTP-24-OS2-10M	660 N
CX-FTA-MTP-24-OS2-30M	660 N
CX-FTA-MTP-12-OM4-10M	500 N
CX-FTA-MTP-12-OM4-30M	500 N
CX-FTA-MTP-24-OM4-10M	660 N

Performance

Shown for CX-FTA-MTP-12-OS2-10M





FINAL QUALITY INSPECTION

QUALITY INSPECTED

Inspection item	Requirement
Insertion loss	≤ 0.35 dB
Dimensions & fit	Per drawing
Surface finish & color	No defects
Adapters / accessories	Complete per packing list
Labeling & packing	Per CORNIX label system

Every unit passes final visual, dimensional and accessory inspection before packing.

Request a quote or technical support

Datasheets, test reports and samples available on request

rfq@cornixglobal.com
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cornixglobal.com

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