CORNIX

PRODUCT FAMILY DATASHEET

CNX-DS-F58-000 · REV 1.0 · 06 OCTOBER 2026

HIGH-DENSITY MTP/MPO

MTP/MPO Fiber Cassette

MTP/MPO TO LC · PRE-TERMINATED MODULE · PLUG-AND-PLAY

FAMILY **F58 • 5 PART NUMBERS**

SHOWN: CX-FCS-MTP-12LC-OS2



12	Method B (TIA-568)
FIBER COUNT	POLARITY

OVERVIEW

Pre-terminated MTP/MPO-to-LC cassettes developed to break out high-density MTP trunk links into LC duplex ports in modular panels, supporting fast plug-and-play deployment where applicable.

- Plug-and-play MTP-to-LC breakout
- Method B polarity, pinned (male) rear MTP
- Factory-terminated and tested
- SPCC steel housing
- Fits modular high-density panels

APPLICATIONS

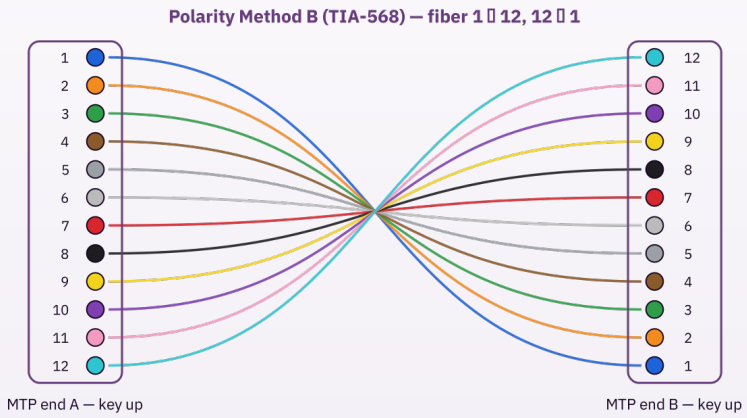
- Data center plug-and-play cabling
- High-density MTP trunk breakout
- Modular patch-panel systems

STANDARDS & COMPLIANCE

RoHS compliant

Common Specifications

Values shared by all 5 part numbers in this family · variant-specific values on the following page



POLARITY SCHEMATIC — SHOWN FOR CX-FCS-MTP-12LC-OS2

GENERAL

Front interface	**LC duplex**
Rear interface	**MTP/MPO**
Polarity	**Method B (TIA-568)**
Rear MTP adapter / connector gender	**Male (pinned)**

CONSTRUCTION

Housing	**SPCC steel, 1.2 mm, black (RAL 9005)**

OPTICAL PERFORMANCE

Insertion loss (MTP + LC)	**≤ 0.35 dB MTP · ≤ 0.2 dB LC**

ENVIRONMENTAL

Operating temperature	**-20 °C to +70 °C**
Storage temperature	**-40 °C to +80 °C**

Ordering Information

5 part numbers · individual datasheets available for every part number

Part number	Description	Fibers	Front	Rear	Fiber
CX-FCS-MTP-12LC-OS2	MTP/MPO to LC Cassette, 12 Fiber, OS2	12	LC duplex	MTP/MPO	OS2
CX-FCS-MTP-12LC-OM3	MTP/MPO to LC Cassette, 12 Fiber, OM3	12	LC duplex	MTP/MPO	OM3
CX-FCS-MTP-12LC-OM4	MTP/MPO to LC Cassette, 12 Fiber, OM4	12	LC duplex	MTP/MPO	OM4
CX-FCS-MTP-24LC-OS2	MTP/MPO to LC Cassette, 24 Fiber, OS2	24	LC duplex	MTP/MPO	OS2
CX-FCS-MTP-24LC-OM4	MTP/MPO to LC Cassette, 24 Fiber, OM4	24	LC duplex	MTP/MPO	OM4

Variant-Specific Specifications

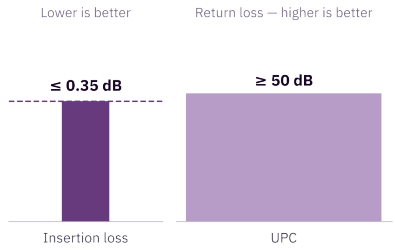
Values that differ between part numbers

Part number	Fiber
CX-FCS-MTP-12LC-OS2	OS2 single-mode
CX-FCS-MTP-12LC-OM3	OM3 multimode
CX-FCS-MTP-12LC-OM4	OM4 multimode
CX-FCS-MTP-24LC-OS2	OS2 single-mode
CX-FCS-MTP-24LC-OM4	OM4 multimode

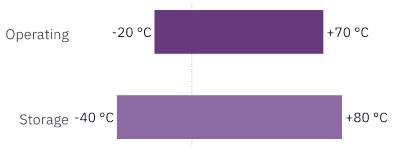
Performance

Shown for CX-FCS-MTP-12LC-OS2

OPTICAL PERFORMANCE



TEMPERATURE RANGE



FINAL QUALITY INSPECTION

QUALITY INSPECTED

Inspection item	Requirement
Insertion loss	≤ 0.35 dB MTP · ≤ 0.2 dB LC
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
sales@cornixglobal.com
cornixglobal.com

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