CORNIX

PRODUCT DATASHEET

CNX-DS-F58-003 · REV 1.0 · 06 OCTOBER 2026

HIGH-DENSITY MTP/MPO · MTP/MPO FIBER CASSETTE

MTP/MPO to LC Cassette, 12 Fiber, OM4

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

PART NO. **CX-FCS-MTP-12LC-OM4**

Also marked on products / QR labels as: CX-FS-MTP-12LC-M4

PRODUCT ILLUSTRATION



12	Method B (TIA-568)	12	LC duplex
FIBER COUNT	POLARITY	FIBERS	FRONT

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

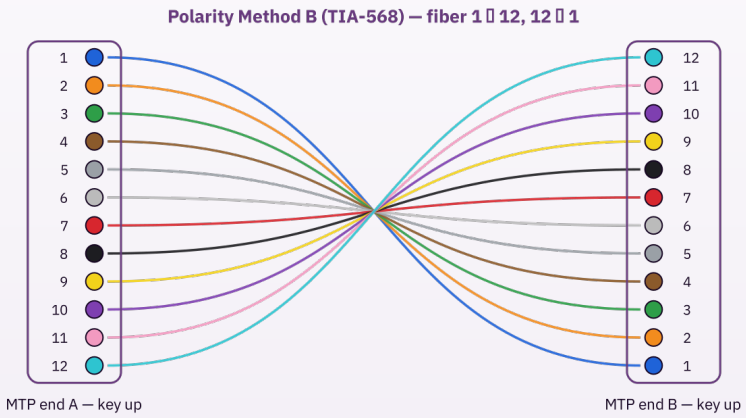
- Data center plug-and-play cabling
- High-density MTP trunk breakout
- Modular patch-panel systems

STANDARDS & COMPLIANCE

RoHS compliant

Technical Specifications

MTP/MPO to LC Cassette, 12 Fiber, OM4 · CX-FCS-MTP-12LC-OM4



POLARITY SCHEMATIC

GENERAL

Fiber count	**12**
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 CHARACTERISTICS

Fiber	**OM4 multimode**

OPTICAL PERFORMANCE

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

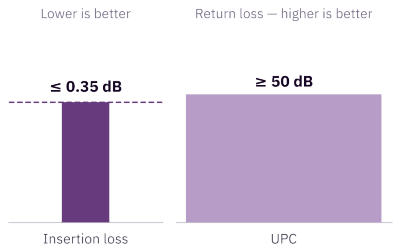
ENVIRONMENTAL

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

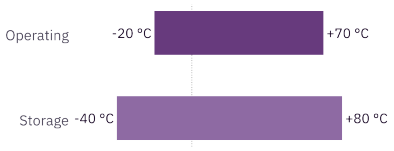
Performance, Quality & Ordering

CX-FCS-MTP-12LC-OM4

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.

ORDERING INFORMATION

CX	FCS	MTP	12LC	OM4
CORNIX	MTP cassette	MTP/MPO	12 × LC fibers	OM4 multimode

Part number	Description
CX-FCS-MTP-12LC-OS2	MTP/MPO to LC Cassette, 12 Fiber, OS2
CX-FCS-MTP-12LC-OM3	MTP/MPO to LC Cassette, 12 Fiber, OM3
CX-FCS-MTP-12LC-OM4	**MTP/MPO to LC Cassette, 12 Fiber, OM4**
CX-FCS-MTP-24LC-OS2	MTP/MPO to LC Cassette, 24 Fiber, OS2
CX-FCS-MTP-24LC-OM4	MTP/MPO to LC Cassette, 24 Fiber, OM4

Request a quote or technical support

Datasheets, test reports and samples available on request

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