CORNIX

PRODUCT DATASHEET

CNX-DS-F58-001 · REV 1.0 · 06 OCTOBER 2026

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

# MTP/MPO to LC Cassette, 12 Fiber, OS2

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

PART NO. **CX-FCS-MTP-12LC-OS2**

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

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

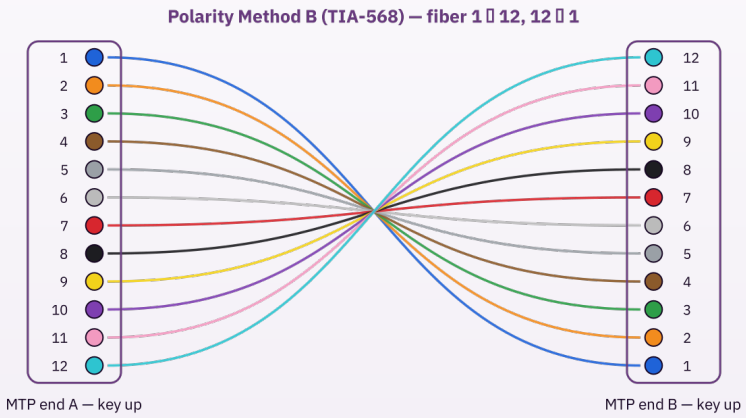
- Data center plug-and-play cabling
- High-density MTP trunk breakout
- Modular patch-panel systems

## STANDARDS & COMPLIANCE

RoHS compliant

# Technical Specifications

MTP/MPO to LC Cassette, 12 Fiber, OS2 · CX-FCS-MTP-12LC-OS2




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)** |
| MTP end face | **APC (8°)** |

## CONSTRUCTION

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

## OPTICAL CHARACTERISTICS

| | |
|---|---|
| Fiber | **OS2 single-mode** |

## OPTICAL PERFORMANCE

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

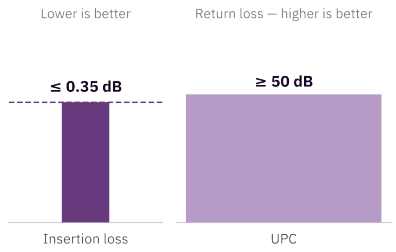
## ENVIRONMENTAL

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

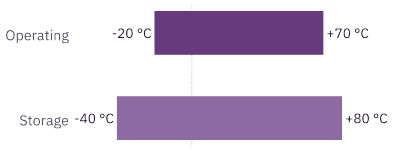
# Performance, Quality & Ordering

CX-FCS-MTP-12LC-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.

## ORDERING INFORMATION

| CX | FCS | MTP | 12LC | OS2 |
|---|---|---|---|---|
| CORNIX | MTP cassette | MTP/MPO | 12 × LC fibers | Single-mode G.652.D |

| 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

**rfq@cornixglobal.com**
sales@cornixglobal.com
cornixglobal.com

CORNIX® continuously improves its products; specifications are subject to change without notice. Values are maximum / minimum unless stated otherwise. Illustrations are representative. © 2026 CORNIX LLC. All rights reserved.