CORNIX

PRODUCT FAMILY DATASHEET

CNX-DS-F60-000 · REV 1.0 · 06 OCTOBER 2026

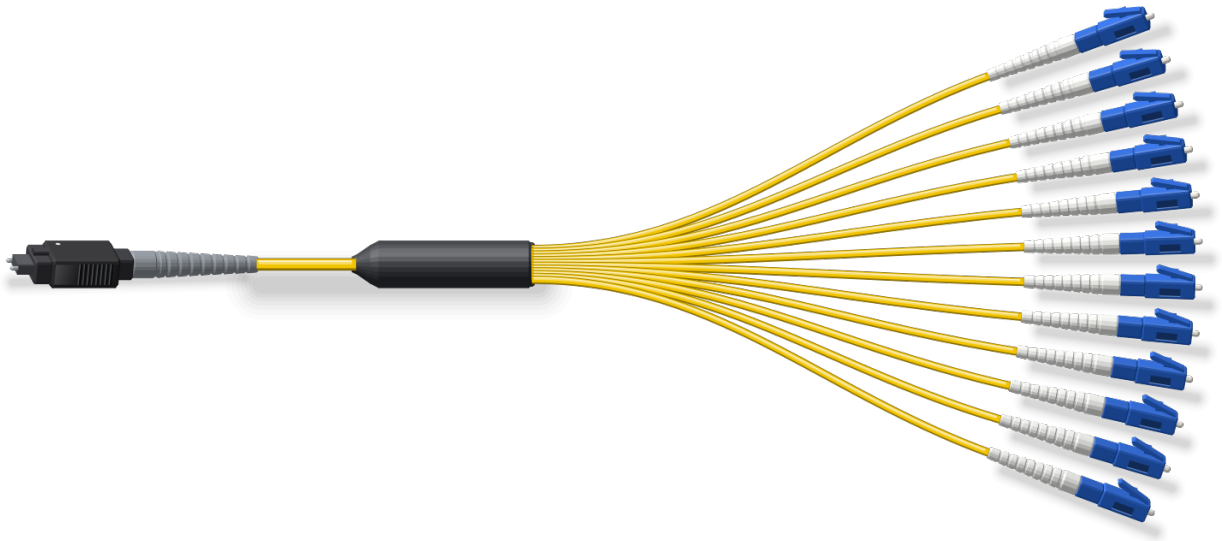
HIGH-DENSITY MTP/MPO

MTP/MPO Breakout Harness

PRE-TERMINATED · MTP/MPO TO LC · FAN-OUT

FAMILY **F60 • 4 PART NUMBERS**

SHOWN: CX-FBH-MTP-12LC-OS2-03M



12	Method B (TIA-568)	3 m
FIBER COUNT	POLARITY	LENGTH

OVERVIEW

Factory-terminated MTP/MPO-to-LC breakout harnesses developed to connect MTP trunk links directly to LC equipment ports or patch panels.

- MTP/MPO to LC fan-out
- Method B polarity
- 2.0 mm breakout legs
- Factory-terminated and tested
- Direct connection to switch ports

APPLICATIONS

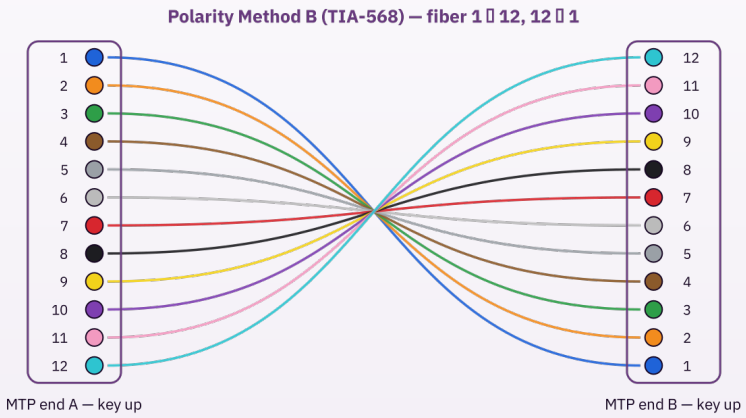
- Direct MTP-to-switch connections
- Breakout of parallel optics
- Patch-field fan-out

STANDARDS & COMPLIANCE

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

Common Specifications

Values shared by all 4 part numbers in this family · variant-specific values on the following page



POLARITY SCHEMATIC — SHOWN FOR CX-FBH-MTP-12LC-OS2-03M

GENERAL

Length	**3 m**
Polarity	**Method B (TIA-568)**

CONSTRUCTION

Breakout legs	**2.0 mm**
Cable	**LSZH micro-distribution cable, Ø 4.5 mm**

OPTICAL PERFORMANCE

Insertion loss	**MTP/MPO ≤ 0.35 dB · LC ≤ 0.2 dB**
Durability	**500 mating cycles**

ENVIRONMENTAL

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

Ordering Information

4 part numbers · individual datasheets available for every part number

Part number	Description	Fibers	Fiber	Length	Ends
CX-FBH-MTP-12LC-OS2-03M	MTP/MPO to LC Breakout Harness, 12 Fiber, OS2, 3 m	12	OS2	3 m	MTP/MPO to 12 × LC
CX-FBH-MTP-12LC-OM4-03M	MTP/MPO to LC Breakout Harness, 12 Fiber, OM4, 3 m	12	OM4	3 m	MTP/MPO to 12 × LC
CX-FBH-MTP-8LC-OS2-03M	MTP/MPO to LC Breakout Harness, 8 Fiber, OS2, 3 m	8	OS2	3 m	MTP/MPO to 8 × LC
CX-FBH-MTP-8LC-OM4-03M	MTP/MPO to LC Breakout Harness, 8 Fiber, OM4, 3 m	8	OM4	3 m	MTP/MPO to 8 × LC

Variant-Specific Specifications

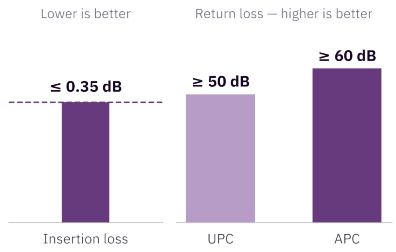
Values that differ between part numbers

Part number	Fiber	Return loss
CX-FBH-MTP-12LC-OS2-03M	OS2	≥ 50 dB (UPC) / ≥ 60 dB (APC)
CX-FBH-MTP-12LC-OM4-03M	OM4	≥ 30 dB
CX-FBH-MTP-8LC-OS2-03M	OS2	≥ 50 dB (UPC) / ≥ 60 dB (APC)
CX-FBH-MTP-8LC-OM4-03M	OM4	≥ 30 dB

Performance

Shown for CX-FBH-MTP-12LC-OS2-03M

OPTICAL PERFORMANCE



TEMPERATURE RANGE



FINAL QUALITY INSPECTION

QUALITY INSPECTED

Inspection item	Requirement
Insertion loss	MTP/MPO ≤ 0.35 dB · LC ≤ 0.2 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

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cornixglobal.com

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