CORNIX

PRODUCT FAMILY DATASHEET

CNX-DS-F51-000 · REV 1.0 · 06 OCTOBER 2026

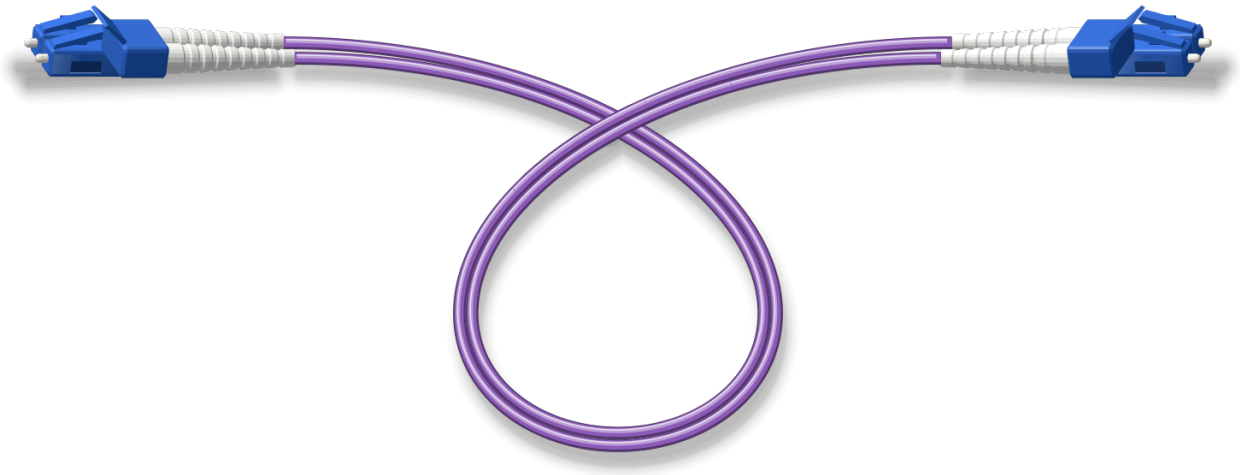
FIBER CONNECTIVITY

OM4 Multimode Fiber Patch Cord

MULTIMODE · OM4 50/125 µm · LC / SC · UPC

FAMILY **F51 · 6 PART NUMBERS**

SHOWN: CX-FP-OM4-LCLC-01M-DX



≤ 0.3 dB	≥ 35 dB (UPC)	1 m	Duplex
INSERTION LOSS	RETURN LOSS	LENGTH	CONFIGURATION

OVERVIEW

Factory-terminated OM4 laser-optimized multimode patch cords developed for short-reach, high-bandwidth links in data centers and enterprise networks. LC connectors are supplied in duplex configuration, SC in simplex, on a 2.0 mm LSZH jacket. Every cord is 100% tested for insertion and return loss.

- Extended-bandwidth OM4 multimode fiber
- LC duplex and SC simplex configurations
- 2.0 mm LSZH violet jacket
- 100% tested for insertion and return loss
- Zirconia ceramic ferrules

APPLICATIONS

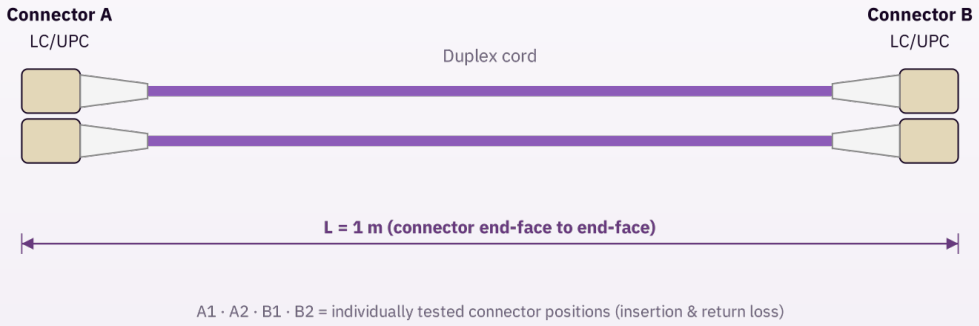
- Data center patching
- Switch and server connections
- Enterprise telecom rooms

STANDARDS & COMPLIANCE

Telcordia GR-326-CORE · IEC 61754 · ANSI/TIA-568.3-D · RoHS compliant

Common Specifications

Values shared by all 6 part numbers in this family · variant-specific values on the following page



ASSEMBLY DRAWING — SHOWN FOR CX-FP-OM4-LCLC-01M-DX

GENERAL

Connector B	**LC/UPC**
Configuration	**Duplex**

CONSTRUCTION

Cable	**Duplex zip cord, 2 × Ø 2.0 mm, LSZH, violet (erika violet)**
Jacket color	**Violet (Erika violet)**
Ferrule	**Zirconia ceramic**

OPTICAL CHARACTERISTICS

Fiber type	**Multimode 50/125 µm, OM4**

OPTICAL PERFORMANCE

Insertion loss	**≤ 0.3 dB**
Return loss	**≥ 35 dB (UPC)**
Repeatability	**≤ 0.1 dB**
Durability	**≤ 0.2 dB**

MECHANICAL

Min. bend radius — static / dynamic	**10 × OD / 20 × OD**
Cord tensile strength	**> 70 N**

ENVIRONMENTAL

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

Ordering Information

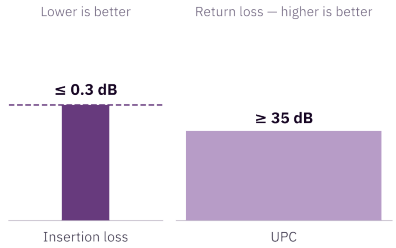
6 part numbers · individual datasheets available for every part number

Part number	Description	Connectors	Length	Configuration	Cable
CX-FP-OM4-LCLC-01M-DX	OM4 Multimode Duplex Patch Cord, LC/UPC-LC/UPC, 1 m	LC/UPC-LC/UPC	1 m	Duplex	2.0 mm LSZH
CX-FP-OM4-LCLC-03M-DX	OM4 Multimode Duplex Patch Cord, LC/UPC-LC/UPC, 3 m	LC/UPC-LC/UPC	3 m	Duplex	2.0 mm LSZH
CX-FP-OM4-LCLC-05M-DX	OM4 Multimode Duplex Patch Cord, LC/UPC-LC/UPC, 5 m	LC/UPC-LC/UPC	5 m	Duplex	2.0 mm LSZH
CX-FP-OM4-SCLC-01M-DX	OM4 Multimode Duplex Patch Cord, SC/UPC-LC/UPC, 1 m	SC/UPC-LC/UPC	1 m	Duplex	2.0 mm LSZH
CX-FP-OM4-SCLC-03M-DX	OM4 Multimode Duplex Patch Cord, SC/UPC-LC/UPC, 3 m	SC/UPC-LC/UPC	3 m	Duplex	2.0 mm LSZH
CX-FP-OM4-SCLC-05M-DX	OM4 Multimode Duplex Patch Cord, SC/UPC-LC/UPC, 5 m	SC/UPC-LC/UPC	5 m	Duplex	2.0 mm LSZH

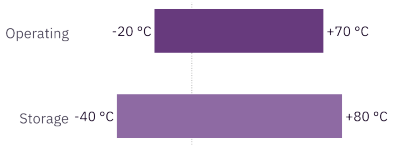
Performance

Shown for CX-FP-OM4-LCLC-01M-DX

OPTICAL PERFORMANCE



TEMPERATURE RANGE



INDIVIDUAL TEST REPORT — EVERY ASSEMBLY

100% IL / RL TESTED

Test item	Requirement	Method	Recorded on
Insertion loss	≤ 0.3 dB	IEC 61300-3-4	A1, A2, B1, B2
Return loss	≥ 35 dB (UPC)	IEC 61300-3-6	A1, A2, B1, B2
End-face geometry & cleanliness	Pass	Interferometer / microscope	Each connector

Measured insertion and return loss values are printed on each unit's label and test sheet.

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.