CORNIX

PRODUCT DATASHEET

CNX-DS-F53-002 · REV 1.0 · 06 OCTOBER 2026

FIBER CONNECTIVITY · FIBER OPTIC ADAPTERS (COUPLERS)

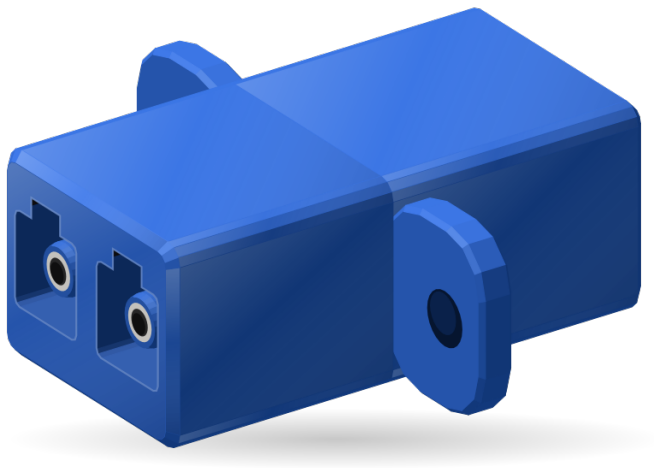
LC Duplex Adapter, Single-mode, Blue

LC · SC · ST · MTP/MPO · SINGLE-MODE & MULTIMODE

PART NO. **CX-FA-LC-DX-OS2-BL**

Also marked on products / QR labels as: CX-FA-LC-DX-SM-BL

PRODUCT ILLUSTRATION



≤ 0.3 dB	Blue	LC duplex	Zirconia
INSERTION LOSS	HOUSING COLOR	CONNECTOR INTERFACE	ALIGNMENT SLEEVE

OVERVIEW

Panel-mount fiber adapters (couplers) developed to join two connectorized fibers in patch panels, enclosures, ODFs and wall boxes. Color-coded housings identify single-mode UPC, APC and multimode interfaces; hybrid versions convert between UPC and APC end faces.

- Zirconia alignment sleeves for precise mating
- Color-coded housings: SM blue, APC green, MM aqua / beige
- Simplex, duplex and MTP/MPO formats
- Snap-in panel mounting
- Hybrid UPC ↔ APC conversion versions

APPLICATIONS

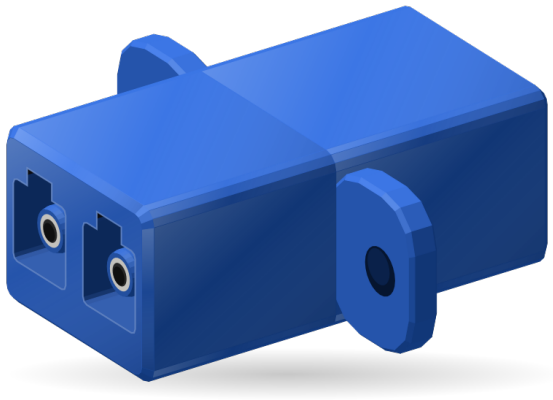
- Patch panels, ODFs and enclosures
- FTTH termination boxes
- UPC/APC conversion (hybrid versions)

STANDARDS & COMPLIANCE

TIA-568.3-D · RoHS

Technical Specifications

LC Duplex Adapter, Single-mode, Blue · CX-FA-LC-DX-OS2-BL



PRODUCT VIEW (REPRESENTATIVE)

GENERAL

Connector interface	**LC duplex**
Fiber mode	**Single-mode**

CONSTRUCTION

Alignment sleeve	**Zirconia**

OPTICAL PERFORMANCE

Durability (500 matings)	**≤ 0.2 dB increase**
Insertion loss	**≤ 0.3 dB**

PHYSICAL

Housing color	**Blue**

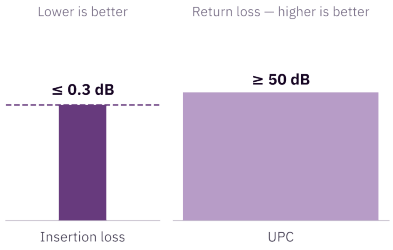
ENVIRONMENTAL

Operating temperature	**-20 °C to +60 °C**

Performance, Quality & Ordering

CX-FA-LC-DX-OS2-BL

OPTICAL PERFORMANCE



TEMPERATURE RANGE



FINAL QUALITY INSPECTION

QUALITY INSPECTED

Inspection item	Requirement
Insertion loss	≤ 0.3 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.

ORDERING INFORMATION

CX	FA	LC	DX	OS2	BL
CORNIX	Adapter	LC connector	Duplex	Single-mode G.652.D	Blue

Part number	Description
CX-FA-LC-DX-OM3-AQ	LC Duplex Adapter, Multimode, Aqua
CX-FA-LC-DX-OS2-BL	**LC Duplex Adapter, Single-mode, Blue**
CX-FA-LC-DX-OS2-GN-APC	LC Duplex Adapter, Single-mode/APC, Green
CX-FA-SC-SX-OM3-BG	SC Simplex Adapter, Multimode, Beige
CX-FA-SC-SX-OS2-BL	SC Simplex Adapter, Single-mode, Blue
CX-FA-SC-SX-OS2-GN-APC	SC Simplex Adapter, Single-mode/APC, Green
CX-FA-ST-SX-OM3-BG	ST Simplex Adapter, Multimode, Beige

11 part numbers in this family — full list in the family datasheet.

Request a quote or technical support

Datasheets, test reports and samples available on request

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