CORNIX

PRODUCT DATASHEET

CNX-DS-F53-003 · REV 1.0 · 06 OCTOBER 2026

FIBER CONNECTIVITY · FIBER OPTIC ADAPTERS (COUPLERS)

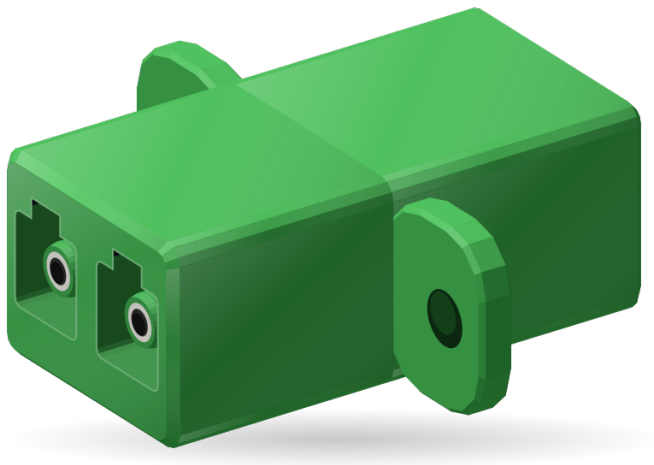
LC Duplex Adapter, Single-mode/APC, Green

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

PART NO. **CX-FA-LC-DX-OS2-GN-APC**

Also marked on products / QR labels as: CX-FA-LC-DX-APC-GR

PRODUCT ILLUSTRATION



≤ 0.3 dB	≥ 60 dB	Green	LC duplex
INSERTION LOSS	RETURN LOSS	HOUSING COLOR	CONNECTOR INTERFACE

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

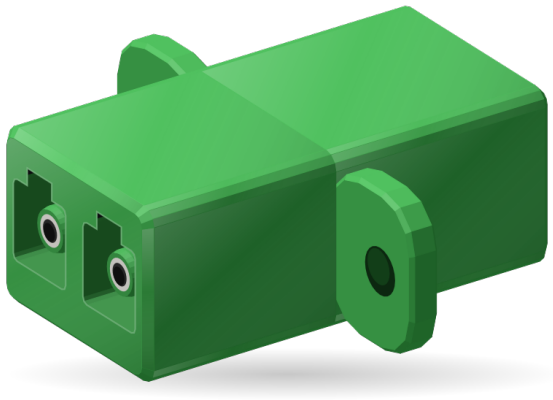
- Patch panels, ODFs and enclosures
- FTTH termination boxes
- UPC/APC conversion (hybrid versions)

STANDARDS & COMPLIANCE

TIA-568.3-D · RoHS

Technical Specifications

LC Duplex Adapter, Single-mode/APC, Green · CX-FA-LC-DX-OS2-GN-APC



PRODUCT VIEW (REPRESENTATIVE)

GENERAL

Connector interface	**LC duplex**
Fiber mode	**Single-mode (APC)**

CONSTRUCTION

Alignment sleeve	**Zirconia**

OPTICAL PERFORMANCE

Durability (500 matings)	**≤ 0.2 dB increase**
Insertion loss	**≤ 0.3 dB**
Return loss	**≥ 60 dB**

PHYSICAL

Housing color	**Green**

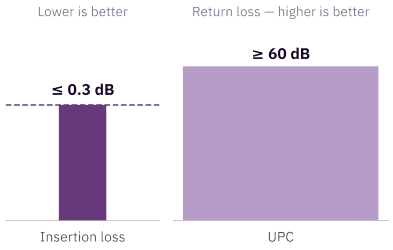
ENVIRONMENTAL

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

Performance, Quality & Ordering

CX-FA-LC-DX-OS2-GN-APC

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	GN	APC
CORNIX	Adapter	LC connector	Duplex	Single-mode G.652.D	Green	APC polish

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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