FIBER CONNECTIVITY · FIBER OPTIC ADAPTERS (COUPLERS)

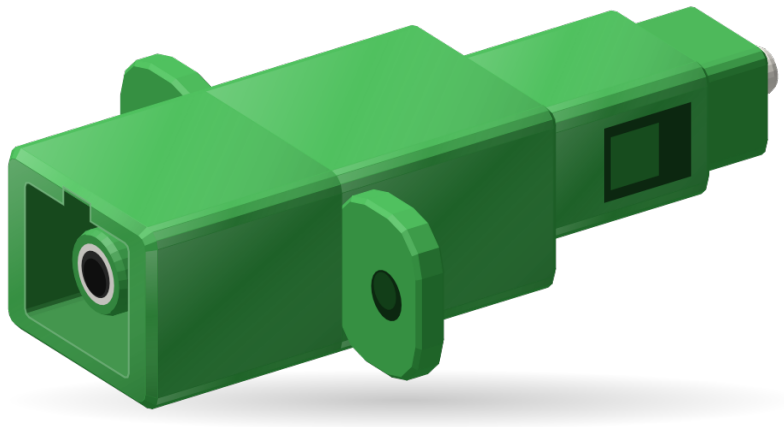
SC Hybrid Adapter (female-to-male), UPC to APC, Single-Mode

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

PART NO. **CX-FA-SC-SX-OS2-HYB-UA**

Also marked on products / QR labels as: CX-FA-SC-HYB-UA

PRODUCT ILLUSTRATION



≤ 0.5 dB	0.2 dB max.	UPC to APC	SM 9/125 µm
INSERTION LOSS	DURABILITY (500 MATINGS)	CONVERSION	FIBER

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

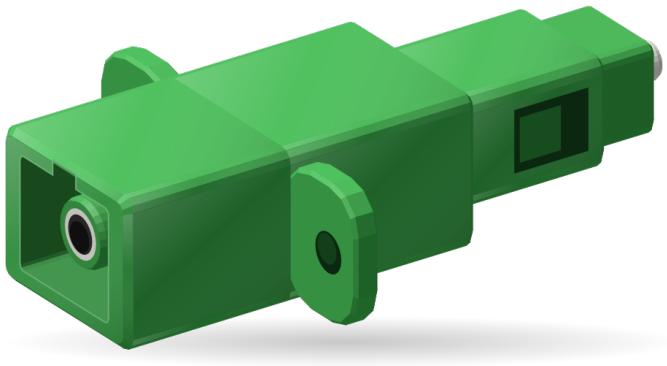
- Patch panels, ODFs and enclosures
- FTTH termination boxes
- UPC/APC conversion (hybrid versions)

STANDARDS & COMPLIANCE

RoHS compliant

Technical Specifications

SC Hybrid Adapter (female-to-male), UPC to APC, Single-Mode · CX-FA-SC-SX-OS2-HYB-UA



PRODUCT VIEW (REPRESENTATIVE)

GENERAL

Type	**SC female to SC male hybrid adapter**
Conversion	**UPC to APC**
Fiber	**Single-mode 9/125 µm**

OPTICAL PERFORMANCE

Insertion loss	**≤ 0.5 dB**
Durability (500 matings)	**0.2 dB max.**

PHYSICAL

Body length	**31.7 ± 0.1 mm**

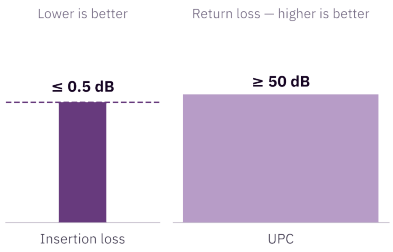
ENVIRONMENTAL

Operating / storage temperature	**-20 °C to +75 °C**

Performance, Quality & Ordering

CX-FA-SC-SX-OS2-HYB-UA

OPTICAL PERFORMANCE



TEMPERATURE RANGE



FINAL QUALITY INSPECTION

QUALITY INSPECTED

Inspection item	Requirement
Insertion loss	≤ 0.5 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	SC	SX	OS2	HYB	UA
CORNIX	Adapter	SC connector	Simplex	Single-mode G.652.D	Hybrid	UPC → APC

Part number	Description
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
CX-FA-MTP-OM3-KU	MTP/MPO Adapter, Key-Up to Key-Down, OM3
CX-FA-MTP-OS2-KU	MTP/MPO Adapter, Key-Up to Key-Down, OS2
CX-FA-SC-SX-OS2-HYB-AU	SC Hybrid Adapter (female-to-male), APC to UPC, Single-Mode
CX-FA-SC-SX-OS2-HYB-UA	**SC Hybrid Adapter (female-to-male), UPC to APC, Single-Mode**

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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