CORNIX

PRODUCT DATASHEET

CNX-DS-F53-004 · REV 1.0 · 06 OCTOBER 2026

FIBER CONNECTIVITY · FIBER OPTIC ADAPTERS (COUPLERS)

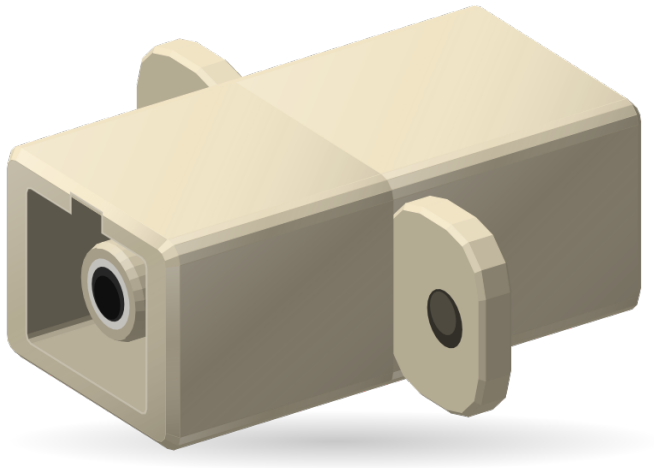
# SC Simplex Adapter, Multimode, Beige

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

PART NO. **CX-FA-SC-SX-OM3-BG**

Also marked on products / QR labels as: CX-FA-SC-SX-MM-BG

PRODUCT ILLUSTRATION



| ≤ 0.3 dB | Beige | SC simplex | 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

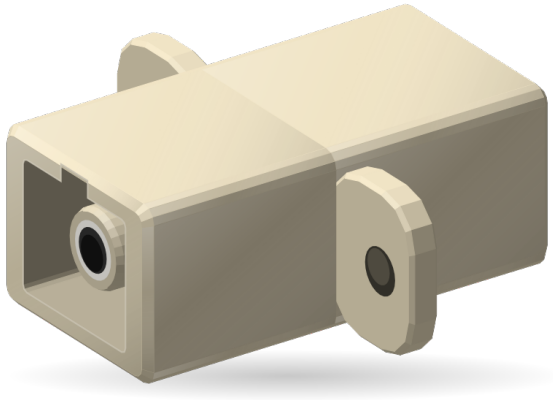
- Patch panels, ODFs and enclosures
- FTTH termination boxes
- UPC/APC conversion (hybrid versions)

## STANDARDS & COMPLIANCE

TIA-568.3-D · RoHS

# Technical Specifications

SC Simplex Adapter, Multimode, Beige · CX-FA-SC-SX-OM3-BG



PRODUCT VIEW (REPRESENTATIVE)

## GENERAL

| | |
|---|---|
| Connector interface | **SC simplex** |
| Fiber mode | **Multimode** |

## CONSTRUCTION

| | |
|---|---|
| Alignment sleeve | **Zirconia** |

## OPTICAL PERFORMANCE

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

## PHYSICAL

| | |
|---|---|
| Housing color | **Beige** |

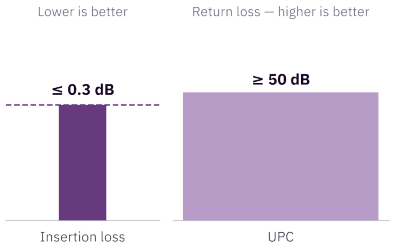
## ENVIRONMENTAL

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

# Performance, Quality & Ordering

CX-FA-SC-SX-OM3-BG

## 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 | SC | SX | OM3 | BG |
|---|---|---|---|---|---|
| CORNIX | Adapter | SC connector | Simplex | OM3 multimode | Beige |

| 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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