FIBER CONNECTIVITY · SINGLE-MODE FIBER PATCH CORD (G.657.A1)

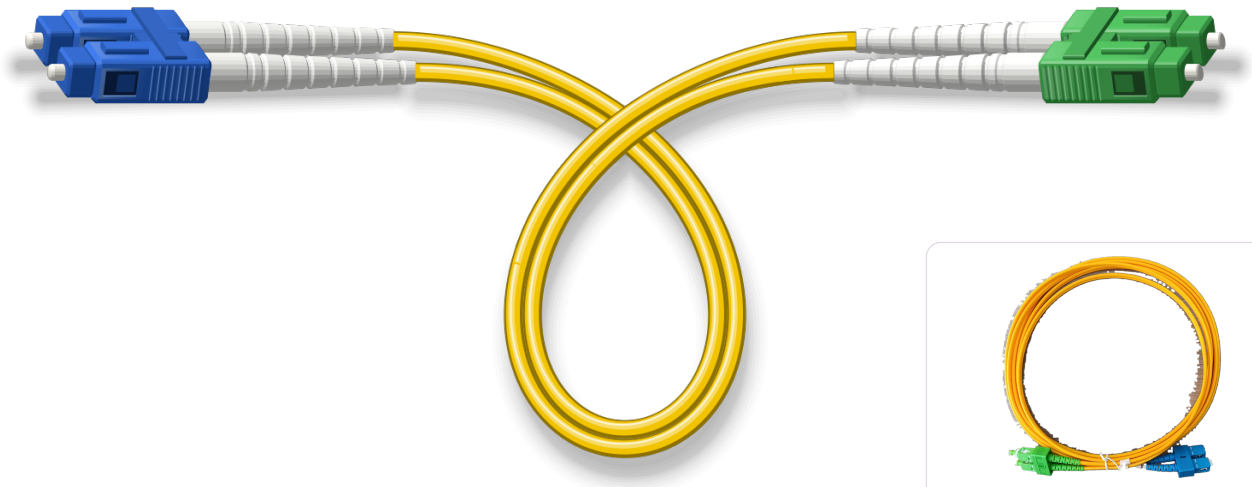
Single-Mode G.657.A1 Duplex Patch Cord, SC/UPC-SC/APC, 3 m

BEND-INSENSITIVE G.657.A1 · LC / SC · UPC & APC · LSZH

PART NO. **CX-FP-OS2B-SCU-SCA-03M-DX**

Also marked on products / QR labels as: CX-FP-SM-SC-SCA-DX-03M

PRODUCTION SAMPLE AVAILABLE



Production sample — CORNIX order 2026

≤ 0.2 dB	3 m	Duplex	SC/UPC
INSERTION LOSS	LENGTH	CONFIGURATION	CONNECTOR A

OVERVIEW

Factory-terminated single-mode patch cords built on bend-insensitive ITU-T G.657.A1 fiber, fully compatible with G.652.D networks. Developed for patch fields, enclosures, FTTH distribution points and active equipment, in LC and SC combinations with UPC, APC and UPC-to-APC hybrid end faces. Every cord is 100% tested for insertion and return loss.

- Bend-insensitive ITU-T G.657.A1 fiber, G.652.D compatible
- Zirconia ceramic ferrules, factory polished
- Insertion loss ≤ 0.2 dB, 100% tested
- UPC, APC and UPC-to-APC hybrid versions
- LSZH jacket, color-coded connectors

APPLICATIONS

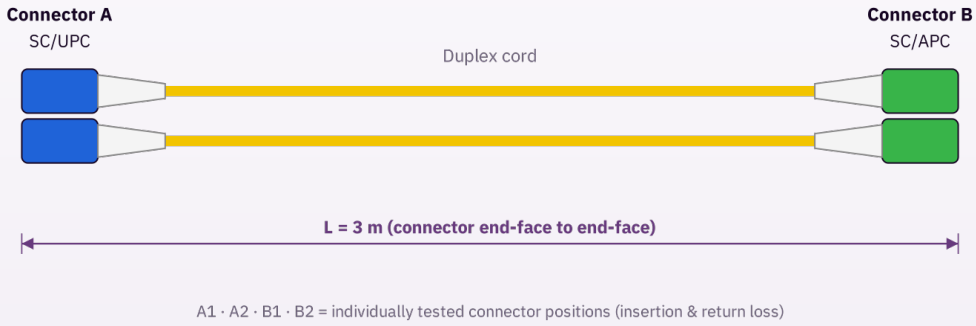
- Patch panels, ODFs and enclosures
- FTTH distribution boxes and ONT / OLT connections
- Data center and telecom-room patching

STANDARDS & COMPLIANCE

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

Technical Specifications

Single-Mode G.657.A1 Duplex Patch Cord, SC/UPC-SC/APC, 3 m · CX-FP-OS2B-SCU-SCA-03M-DX



ASSEMBLY DRAWING

GENERAL

Connector A	**SC/UPC**
Connector B	**SC/APC**
Length	**3 m**
Configuration	**Duplex**
Length tolerance	**0 / +100 mm (L ≤ 20 m)**

CONSTRUCTION

Cable	**Duplex zip cord, LSZH, yellow, (3.0 ± 0.1) × (6.0 ± 0.2) mm**
Tight buffer	**PVC, 0.85 ± 0.05 mm (white / yellow)**
Jacket color	**Yellow**
Ferrule	**Zirconia ceramic**

OPTICAL CHARACTERISTICS

Fiber type	**Single-mode, ITU-T G.657.A1 (bend-insensitive, G.652.D compatible)**

OPTICAL PERFORMANCE

Insertion loss	**≤ 0.2 dB**
Return loss	**SC/UPC ≥ 50 dB · SC/APC ≥ 60 dB**
Repeatability	**≤ 0.1 dB**
Durability	**≤ 0.2 dB**
Interchangeability	**≤ 0.2 dB**

MECHANICAL

Min. bend radius — static / dynamic	**10 × H / 20 × H (H = cable height)**
Cord tensile strength	**> 60 N**

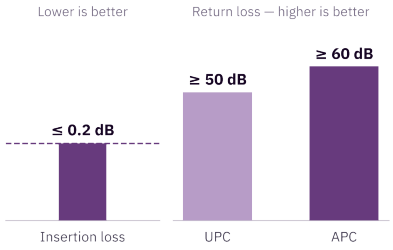
ENVIRONMENTAL

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

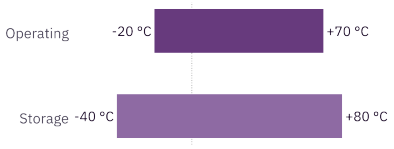
Performance, Quality & Ordering

CX-FP-OS2B-SCU-SCA-03M-DX

OPTICAL PERFORMANCE



TEMPERATURE RANGE



INDIVIDUAL TEST REPORT — EVERY ASSEMBLY

100% IL / RL TESTED

Test item	Requirement	Method	Recorded on
Insertion loss	≤ 0.2 dB	IEC 61300-3-4	A1, A2, B1, B2
Return loss	SC/UPC ≥ 50 dB · SC/APC ≥ 60 dB	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.

ORDERING INFORMATION

CX	FP	OS2B	SCU	SCA	03M	DX
CORNIX	Patch cord	Single-mode G.657.A	SC/UPC	SC/APC	Length 3 m	Duplex

Part number	Description
CX-FP-OS2B-LCSC-02M-DX	Single-Mode G.657.A1 Duplex Patch Cord, LC/UPC-SC/UPC, 2 m
CX-FP-OS2B-LCSC-03M-DX	Single-Mode G.657.A1 Duplex Patch Cord, LC/UPC-SC/UPC, 3 m
CX-FP-OS2B-SCSC-05M-DX	Single-Mode G.657.A1 Duplex Patch Cord, SC/UPC-SC/UPC, 5 m
CX-FP-OS2B-SCU-SCA-03M-DX	**Single-Mode G.657.A1 Duplex Patch Cord, SC/UPC-SC/APC, 3 m**
CX-FP-OS2B-LCLC-01M	Single-Mode G.657.A1 Simplex Patch Cord, LC/UPC-LC/UPC, 1 m
CX-FP-OS2B-LCLC-03M	Single-Mode G.657.A1 Simplex Patch Cord, LC/UPC-LC/UPC, 3 m
CX-FP-OS2B-LCLC-05M	Single-Mode G.657.A1 Simplex Patch Cord, LC/UPC-LC/UPC, 5 m

22 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

rfq@cornixglobal.com
sales@cornixglobal.com
cornixglobal.com

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