CORNIX

PRODUCT DATASHEET

CNX-DS-F65-008 · REV 1.0 · 06 OCTOBER 2026

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

Single-Mode G.657.A1 Pigtail, SC/APC, 1 m

BEND-INSENSITIVE · ITU-T G.657.A1 · SIMPLEX & 12-FIBER SETS

PART NO. **CX-FPT-OS2B-SC-1M-APC**

Also marked on products / QR labels as: CX-FG-FTTH-SC-APC-1M

PRODUCT ILLUSTRATION



≤ 0.2 dB	≥ 60 dB	1 m	SC/APC
INSERTION LOSS	RETURN LOSS	LENGTH	CONNECTOR

OVERVIEW

Single-ended pigtails on bend-insensitive G.657.A1 fiber, developed for fusion-splice termination in FTTH distribution boxes, splice closures, ODFs and patch panels. Offered as simplex pigtails and 12-fiber color-coded sets.

- Bend-insensitive ITU-T G.657.A1 fiber
- Insertion loss ≤ 0.2 dB, 100% tested
- 3.0 mm LSZH simplex, 0.9 mm and 12-fiber set options
- Zirconia ceramic ferrules
- Ideal for FTTH boxes, ODFs and patch panels

APPLICATIONS

- FTTH distribution and termination boxes
- Splice closures and ODFs
- Loaded patch-panel termination

STANDARDS & COMPLIANCE

RoHS compliant

Technical Specifications

Single-Mode G.657.A1 Pigtail, SC/APC, 1 m · CX-FPT-OS2B-SC-1M-APC

GENERAL

Connector	**SC/APC**
Length	**1 m**
Length tolerance	**0 / +100 mm**

CONSTRUCTION

Ferrule	**Zirconia ceramic**
Cable	**Simplex, LSZH, yellow, Ø 3.0 ± 0.1 mm**
Tight buffer	**PVC, 0.85 ± 0.05 mm**
Jacket color	**Yellow**

OPTICAL CHARACTERISTICS

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

OPTICAL PERFORMANCE

Insertion loss	**≤ 0.2 dB**
Return loss	**≥ 60 dB**
Repeatability / durability	**≤ 0.1 dB / ≤ 0.2 dB**

MECHANICAL

Cord tensile strength	**> 60 N**
Min. bend radius — static / dynamic	**30 mm / 60 mm**

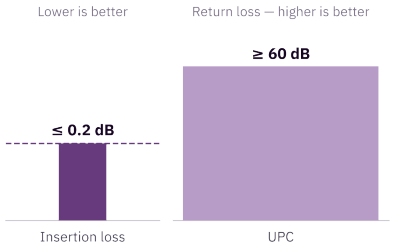
ENVIRONMENTAL

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

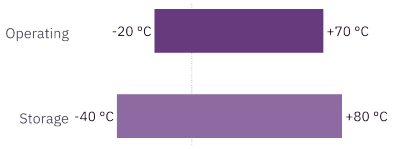
Performance, Quality & Ordering

CX-FPT-OS2B-SC-1M-APC

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
Return loss	≥ 60 dB	IEC 61300-3-6	A1, A2
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	FPT	OS2B	SC	1M	APC
CORNIX	Pigtail	Single-mode G.657.A	SC connector	Length 1 m	APC polish

Part number	Description
CX-FPT-OS2B-SC-12F-1.5M	Single-Mode G.657.A1 12-Fiber Color-Coded Pigtail Set, SC/UPC, 1.5 m
CX-FPT-OS2B-SC-12F-01M	Single-Mode G.657.A1 12-Fiber Color-Coded Pigtail Set, SC/UPC, 1 m
CX-FPT-OS2B-LC-1M	Single-Mode G.657.A1 Pigtail, LC/UPC, 1 m
CX-FPT-OS2B-LC-1M-APC	Single-Mode G.657.A1 Pigtail, LC/APC, 1 m
CX-FPT-OS2B-SC-1.5M	Single-Mode G.657.A1 Pigtail, SC/UPC, 0.9 mm, 1.5 m
CX-FPT-OS2B-SC-1.5M-APC	Single-Mode G.657.A1 Pigtail, SC/APC, 1.5 m
CX-FPT-OS2B-SC-1M-APC	**Single-Mode G.657.A1 Pigtail, SC/APC, 1 m**

8 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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