CORNIX

PRODUCT FAMILY DATASHEET

CNX-DS-F15-000 · REV 1.0 · 06 OCTOBER 2026

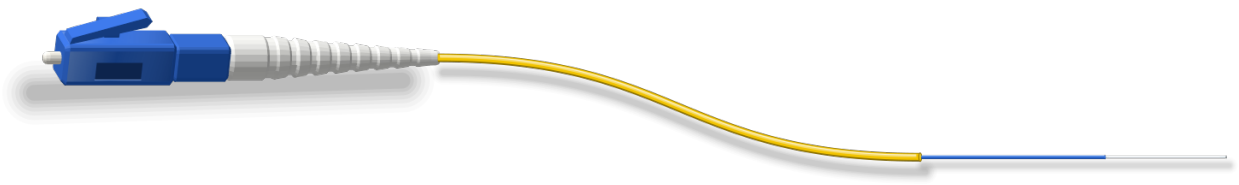
FIBER CONNECTIVITY

# OS2 Single-Mode Fiber Pigtail

SINGLE-MODE · G.652.D · 0.9 mm TIGHT BUFFER · UPC & APC

FAMILY **F15 • 4 PART NUMBERS**

SHOWN: CX-FPT-OS2-LC-1.5M



| ≤ 0.3 dB | ≥ 50 dB | 1.5 m | LC/UPC, simplex |
|---|---|---|---|
| INSERTION LOSS | RETURN LOSS | LENGTH | CONNECTOR |

## OVERVIEW

Single-ended single-mode pigtails developed for fusion splicing in enclosures, ODFs and splice closures, providing a factory-polished connector at the patch field.

- Single-mode G.652.D pigtails for fusion splicing
- Factory-polished UPC and APC connectors
- 0.9 mm tight buffer for tray routing
- Low insertion loss for splice-and-patch links
- Color-coded connector housings

## APPLICATIONS

- Fusion-splice termination in enclosures and ODFs
- Splice closures and wall boxes
- Field termination of backbone cables

## STANDARDS & COMPLIANCE

TIA-568.3-D · ISO/IEC 11801 · RoHS compliant

# Common Specifications

Values shared by all 4 part numbers in this family · variant-specific values on the following page

## GENERAL

| | |
|---|---|
| Length | **1.5 m** |

## CONSTRUCTION

| | |
|---|---|
| Buffer | **0.9 mm tight buffer** |

## OPTICAL CHARACTERISTICS

| | |
|---|---|
| Fiber type | **Single-mode 9/125 µm, ITU-T G. 652.D (OS2)** |

## OPTICAL PERFORMANCE

| | |
|---|---|
| Insertion loss | **≤ 0.3 dB** |
| Repeatability (1000 matings) | **< 0.1 dB** |

## ENVIRONMENTAL

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

## Ordering Information

4 part numbers · individual datasheets available for every part number

| Part number | Description | Connector | Length | Fiber |
|---|---|---|---|---|
| CX-FPT-OS2-LC-1.5M | OS2 Single-Mode Fiber Pigtail, LC/UPC, 1.5 m | LC/UPC | 1.5 m | OS2 / G.652.D |
| CX-FPT-OS2-SC-1.5M | OS2 Single-Mode Fiber Pigtail, SC/UPC, 1.5 m | SC/UPC | 1.5 m | OS2 / G.652.D |
| CX-FPT-OS2-LC-1.5M-APC | OS2 Single-Mode Fiber Pigtail, LC/APC, 1.5 m | LC/APC | 1.5 m | OS2 / G.652.D |
| CX-FPT-OS2-SC-1.5M-APC | OS2 Single-Mode Fiber Pigtail, SC/APC, 1.5 m | SC/APC | 1.5 m | OS2 / G.652.D |

## Variant-Specific Specifications

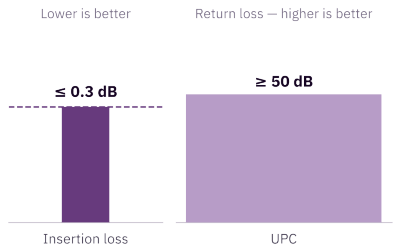
Values that differ between part numbers

| Part number | Return loss |
|---|---|
| CX-FPT-OS2-LC-1.5M | ≥ 50 dB |
| CX-FPT-OS2-SC-1.5M | ≥ 50 dB |
| CX-FPT-OS2-LC-1.5M-APC | ≥ 60 dB |
| CX-FPT-OS2-SC-1.5M-APC | ≥ 60 dB |

## Performance

Shown for CX-FPT-OS2-LC-1.5M

### OPTICAL PERFORMANCE




### TEMPERATURE RANGE




### INDIVIDUAL TEST REPORT — EVERY ASSEMBLY

100% IL / RL TESTED

| Test item | Requirement | Method | Recorded on |
|---|---|---|---|
| Insertion loss | ≤ 0.3 dB | IEC 61300-3-4 | A1, A2 |
| Return loss | ≥ 50 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.

**Request a quote or technical support**

Datasheets, test reports and samples available on request

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