CORNIX

PRODUCT DATASHEET

CNX-DS-F14-005 · REV 1.0 · 06 OCTOBER 2026

FIBER CONNECTIVITY · OM3 MULTIMODE FIBER PATCH CORD

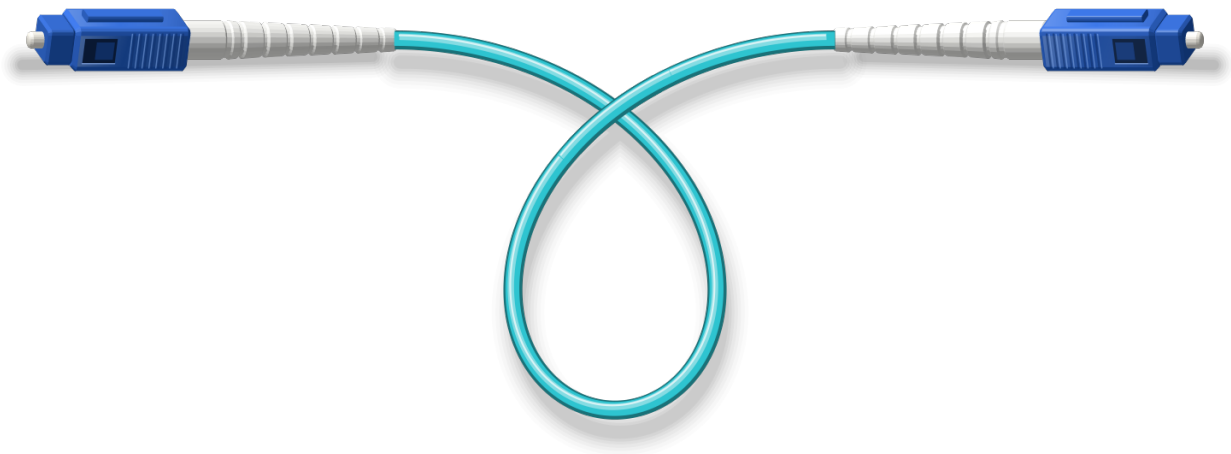
# OM3 Multimode Simplex Patch Cord, SC/UPC-SC/UPC, 3 m

MULTIMODE · OM3 50/125 µm · LC / SC · UPC

PART NO. **CX-FP-OM3-SCSC-03M**

Also marked on products / QR labels as: CX-FP-MM-SC-SC-03M

PRODUCT ILLUSTRATION



| ≤ 0.3 dB | ≥ 35 dB (UPC) | 3 m | Simplex |
|---|---|---|---|
| INSERTION LOSS | RETURN LOSS | LENGTH | CONFIGURATION |

## OVERVIEW

Factory-terminated OM3 laser-optimized multimode patch cords developed for short-reach, high-bandwidth links in data centers and enterprise networks. LC connectors are supplied in duplex configuration, SC in simplex, on a 2.0 mm LSZH jacket. Every cord is 100% tested for insertion and return loss.

- Laser-optimized OM3 multimode fiber
- LC duplex and SC simplex configurations
- 2.0 mm LSZH aqua jacket
- 100% tested for insertion and return loss
- Zirconia ceramic ferrules

## APPLICATIONS

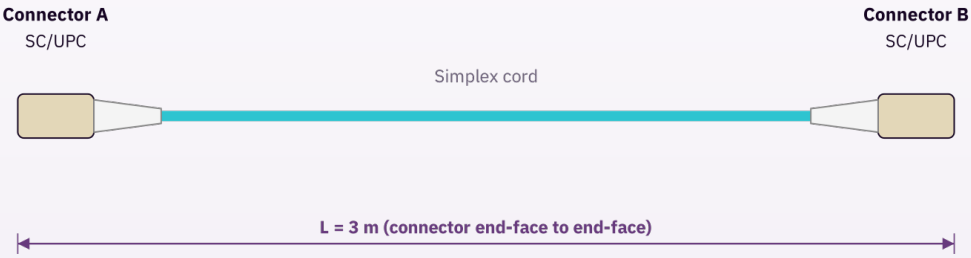
- Data center patching
- Switch and server connections
- Enterprise telecom rooms

## STANDARDS & COMPLIANCE

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

# Technical Specifications

OM3 Multimode Simplex Patch Cord, SC/UPC-SC/UPC, 3 m · CX-FP-OM3-SCSC-03M




A1 · A2 = individually tested connector positions (insertion & return loss)

ASSEMBLY DRAWING

## GENERAL

| | |
|---|---|
| Connector A | **SC/UPC** |
| Connector B | **SC/UPC** |
| Length | **3 m** |
| Configuration | **Simplex** |

## CONSTRUCTION

| | |
|---|---|
| Cable | **Simplex, Ø 2.0 mm, LSZH, aqua** |
| Jacket color | **Aqua** |
| Ferrule | **Zirconia ceramic** |

## OPTICAL CHARACTERISTICS

| | |
|---|---|
| Fiber type | **Multimode 50/125 µm, OM3** |

## OPTICAL PERFORMANCE

| | |
|---|---|
| Insertion loss | **≤ 0.3 dB** |
| Return loss | **≥ 35 dB (UPC)** |
| Repeatability | **≤ 0.1 dB** |
| Durability | **≤ 0.2 dB** |

## MECHANICAL

| | |
|---|---|
| Min. bend radius — static / dynamic | **10 × OD / 20 × OD** |
| Cord tensile strength | **> 70 N** |

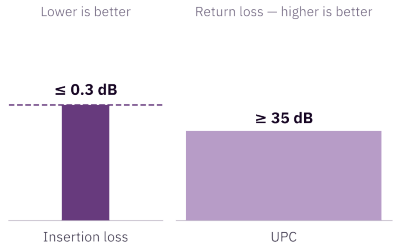
## ENVIRONMENTAL

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

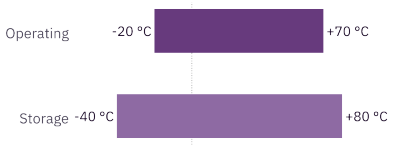
# Performance, Quality & Ordering

CX-FP-OM3-SCSC-03M

## 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 | ≥ 35 dB (UPC) | 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 | FP | OM3 | SCSC | 03M |
|---|---|---|---|---|
| CORNIX | Patch cord | OM3 multimode | SC – SC | Length 3 m |

| Part number | Description |
|---|---|
| CX-FP-OM3-LCLC-02M-DX | OM3 Multimode Duplex Patch Cord, LC/UPC-LC/UPC, 2 m |
| CX-FP-OM3-LCLC-03M-DX | OM3 Multimode Duplex Patch Cord, LC/UPC-LC/UPC, 3 m |
| CX-FP-OM3-LCLC-05M-DX | OM3 Multimode Duplex Patch Cord, LC/UPC-LC/UPC, 5 m |
| **CX-FP-OM3-SCSC-03M** | **OM3 Multimode Simplex Patch Cord, SC/UPC-SC/UPC, 3 m** |
| CX-FP-OM3-SCLC-01M-DX | OM3 Multimode Duplex Patch Cord, SC/UPC-LC/UPC, 1 m |
| CX-FP-OM3-SCLC-03M-DX | OM3 Multimode Duplex Patch Cord, SC/UPC-LC/UPC, 3 m |
| CX-FP-OM3-SCLC-05M-DX | OM3 Multimode Duplex Patch Cord, SC/UPC-LC/UPC, 5 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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