CORNIX

PRODUCT DATASHEET

CNX-DS-F07-003 · REV 1.0 · 06 OCTOBER 2026

FIBER OPTIC CABLE · OM4 MULTIMODE INDOOR FIBER CABLE

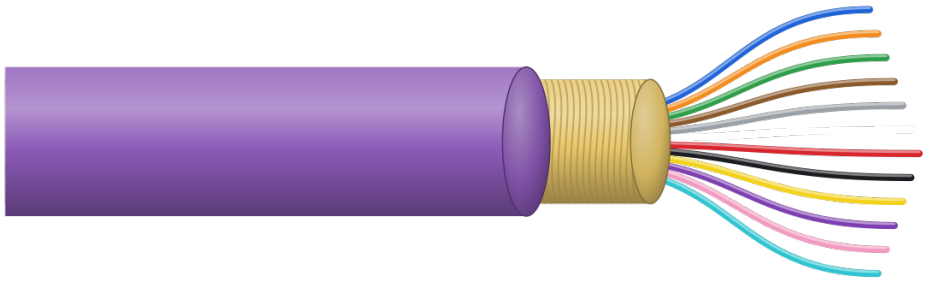
OM4 Multimode Indoor Fiber Cable, 12F, LSZH

MULTIMODE · OM4 50/125 µm · TIGHT-BUFFERED · LSZH JACKET

PART NO. **CX-FB-OM4-12-IN-LSZH**

Also marked on products / QR labels as: CX-FC-M4-IN-12-LSZH

PRODUCT ILLUSTRATION



12	3.2 / 1.2 dB/km	6.2 mm	660 N
FIBER COUNT	ATTENUATION @ 850 / 1300 NM	CABLE OUTER DIAMETER	TENSILE LOAD SHORT TERM

OVERVIEW

Tight-buffered OM4 multimode distribution cable developed for short-reach, high-bandwidth indoor links in data centers and enterprise networks. The 900 µm buffered fibers are designed to support direct connectorization where applicable.

- Laser-optimized OM4 50/125 µm multimode fiber
- Extended effective modal bandwidth for high-speed links
- 900 µm tight-buffered fibers
- LSZH jacket for indoor and data-center spaces
- Violet jacket for instant OM4 identification

APPLICATIONS

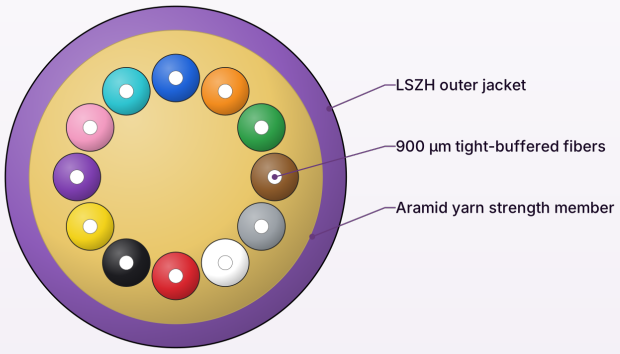
- Data center and server-room links
- Enterprise backbone and equipment interconnects
- Laser-optimized short-reach applications

STANDARDS & COMPLIANCE

IEC 60793-2-10 · IEC 60794 · ANSI/TIA-568.3-D · IEC 60332-1 · RoHS compliant

Technical Specifications

OM4 Multimode Indoor Fiber Cable, 12F, LSZH · CX-FB-OM4-12-IN-LSZH



CROSS-SECTION (ILLUSTRATIVE, NOT TO SCALE)

GENERAL

Fiber count	**12**

CONSTRUCTION

Jacket material	**LSZH**
Construction	**Tight-buffered distribution cable**
Tight buffer	**900 µm**
Strength member	**Aramid yarn**
Jacket color	**Violet (Erika violet)**

OPTICAL CHARACTERISTICS

Fiber type	**Multimode 50/125 µm, OM4**
Max. attenuation @ 850 / 1300 nm	**3.2 / 1.2 dB/km**
Min. bandwidth (OFL) @ 850 / 1300 nm	**3500 / 500 MHz·km**
Min. effective modal bandwidth @ 850 nm	**4700 MHz·km**

MECHANICAL

Tensile load — short term	**660 N**
Tensile load — long term	**200 N**
Crush resistance	**1000 N/100 mm**
Min. bend radius — static / dynamic	**10 × OD / 20 × OD**

PHYSICAL

Cable outer diameter	**6.2 mm**
Cable weight (approx.)	**38 kg/km**

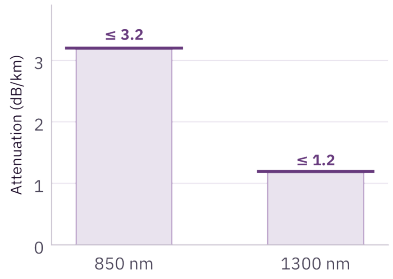
ENVIRONMENTAL

Operating temperature	**-20 °C to +60 °C**
Installation temperature	**-5 °C to +50 °C**
Storage temperature	**-20 °C to +60 °C**

Performance, Quality & Ordering

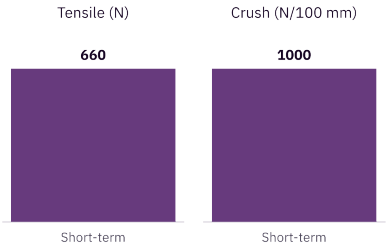
CX-FB-OM4-12-IN-LSZH

ATTENUATION PERFORMANCE

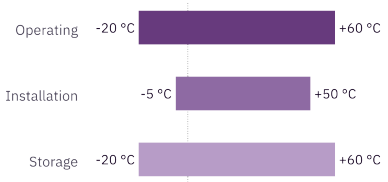


Maximum cabled attenuation per operating window.

MECHANICAL PERFORMANCE



TEMPERATURE RANGE



FACTORY TEST REPORT — SUPPLIED WITH EVERY DRUM

OTDR TESTED 100%

Test item	Requirement	Method
attenuation @ 850 / 1300 nm	3.2 / 1.2 dB/km	OTDR, per fiber
Cable length	As ordered, verified	OTDR
Sheath, marking, appearance	No defects	Visual

Every drum is tested fiber-by-fiber before shipment and supplied with its OTDR test report and drum label (type, length, drum no., batch).

ORDERING INFORMATION

CX	FB	OM4	12	IN	LSZH
CORNIX	Fiber cable	OM4 multimode	12 fibers	Indoor	LSZH jacket

Part number	Description
CX-FB-OM4-02-IN-LSZH	OM4 Multimode Indoor Fiber Cable, 2F, LSZH
CX-FB-OM4-04-IN-LSZH	OM4 Multimode Indoor Fiber Cable, 4F, LSZH
CX-FB-OM4-12-IN-LSZH	**OM4 Multimode Indoor Fiber Cable, 12F, LSZH**
CX-FB-OM4-24-IN-LSZH	OM4 Multimode Indoor Fiber Cable, 24F, LSZH

Request a quote or technical support

Datasheets, test reports and samples available on request

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