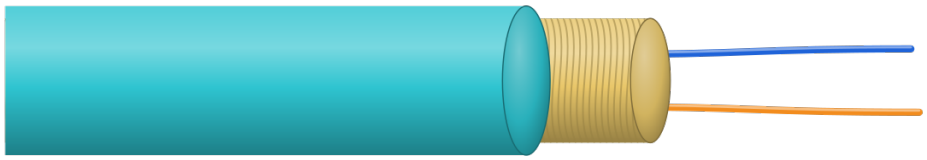
FIBER OPTIC CABLE

OM3 Multimode Indoor Fiber Cable

MULTIMODE · OM3 50/125 µm · TIGHT-BUFFERED · LSZH JACKET

FAMILY **F13 • 5 PART NUMBERS**

SHOWN: CX-FB-OM3-02-IN-LSZH



2	3.2 / 1.2 dB/km	3.2 mm	660 N
FIBER COUNT	ATTENUATION @ 850 / 1300 NM	CABLE OUTER DIAMETER	TENSILE LOAD SHORT TERM

OVERVIEW

Tight-buffered OM3 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 OM3 50/125 µm multimode fiber
- 900 µm tight-buffered fibers for direct termination
- LSZH jacket for indoor and data-center spaces
- Aramid yarn strength member
- Aqua jacket for instant OM3 identification

APPLICATIONS

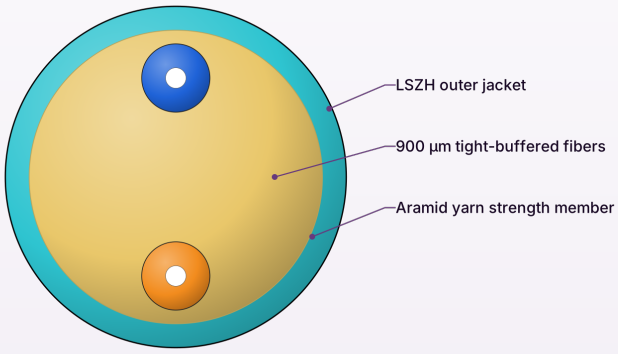
- Data center and server-room links
- Enterprise backbone and equipment interconnects
- Laser-optimized short-reach applications

STANDARDS & COMPLIANCE

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

Common Specifications

Values shared by all 5 part numbers in this family · variant-specific values on the following page



CROSS-SECTION (ILLUSTRATIVE, NOT TO SCALE) — SHOWN FOR CX-FB-OM3-02-IN-LSZH

CONSTRUCTION

Jacket material	**LSZH**
Construction	**Tight-buffered distribution cable**
Tight buffer	**900 µm**
Strength member	**Aramid yarn**
Jacket color	**Aqua**

OPTICAL CHARACTERISTICS

Fiber type	**Multimode 50/125 µm, OM3**
Max. attenuation @ 850 / 1300 nm	**3.2 / 1.2 dB/km**
Min. bandwidth (OFL) @ 850 / 1300 nm	**1500 / 500 MHz·km**
Min. effective modal bandwidth @ 850 nm	**2000 MHz·km**

MECHANICAL

Tensile load — long term	**200 N**
Min. bend radius — static / dynamic	**10 × OD / 20 × OD**

ENVIRONMENTAL

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

Ordering Information

5 part numbers · individual datasheets available for every part number

Part number	Description	Fiber count	Fiber	Jacket	Environment
CX-FB-OM3-02-IN-LSZH	OM3 Multimode Indoor Fiber Cable, 2F, LSZH	2	OM3 50/125 µm	LSZH	Indoor
CX-FB-OM3-04-IN-LSZH	OM3 Multimode Indoor Fiber Cable, 4F, LSZH	4	OM3 50/125 µm	LSZH	Indoor
CX-FB-OM3-06-IN-LSZH	OM3 Multimode Indoor Fiber Cable, 6F, LSZH	6	OM3 50/125 µm	LSZH	Indoor
CX-FB-OM3-12-IN-LSZH	OM3 Multimode Indoor Fiber Cable, 12F, LSZH	12	OM3 50/125 µm	LSZH	Indoor
CX-FB-OM3-24-IN-LSZH	OM3 Multimode Indoor Fiber Cable, 24F, LSZH	24	OM3 50/125 µm	LSZH	Indoor

Variant-Specific Specifications

Values that differ between part numbers

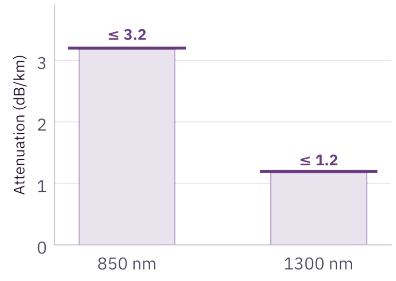
Part number	Cable outer diameter	Cable weight (approx.)	Tensile load — short term
CX-FB-OM3-02-IN-LSZH	3.2 mm	10 kg/km	660 N
CX-FB-OM3-04-IN-LSZH	4.8 mm	18 kg/km	660 N
CX-FB-OM3-06-IN-LSZH	5.1 mm	22.5 kg/km	660 N
CX-FB-OM3-12-IN-LSZH	6.2 mm	38 kg/km	660 N
CX-FB-OM3-24-IN-LSZH	8.2 mm	63 kg/km	1320 N

Part number	Crush resistance
CX-FB-OM3-02-IN-LSZH	1000 N/100 mm
CX-FB-OM3-04-IN-LSZH	1000 N/100 mm
CX-FB-OM3-06-IN-LSZH	1000 N/100 mm
CX-FB-OM3-12-IN-LSZH	1000 N/100 mm
CX-FB-OM3-24-IN-LSZH	1320 N/100 mm

Performance

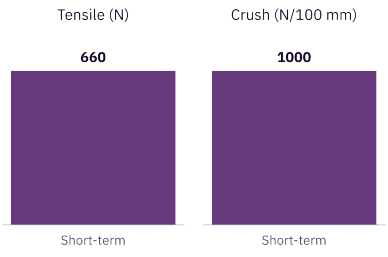
Shown for CX-FB-OM3-02-IN-LSZH

ATTENUATION PERFORMANCE

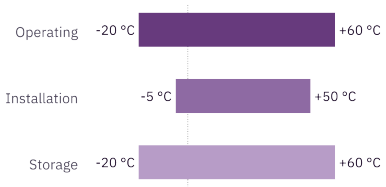


Maximum cabled attenuation per operating window.

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).

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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