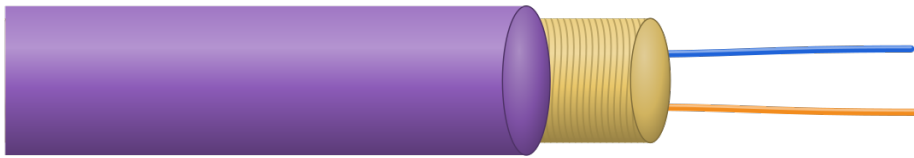


FIBER OPTIC CABLE

OM4 Multimode Indoor Fiber Cable

MULTIMODE · OM4 50/125 μm · TIGHT-BUFFERED · LSZH JACKETFAMILY **F7** · 4 PART NUMBERS

SHOWN: CX-FB-OM4-02-IN-LSZH

**2**

FIBER COUNT

3.2 / 1.2 dB/kmATTENUATION @ 850 / 1300
NM**3.2 mm**

CABLE OUTER DIAMETER

660 N

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

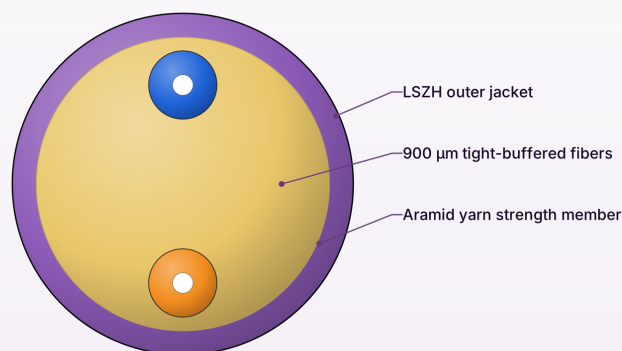
ANSI/TIA-568.3-D

IEC 60332-1

RoHS compliant

Common Specifications

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



CROSS-SECTION (ILLUSTRATIVE, NOT TO SCALE) — SHOWN FOR CX-FB-OM4-02-IN-LSZH

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 — 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

4 part numbers · individual datasheets available for every part number

Part number	Description	Fiber count	Fiber	Jacket	Environment
CX-FB-OM4-02-IN-LSZH	OM4 Multimode Indoor Fiber Cable, 2F, LSZH	2	OM4 50/125 µm	LSZH	Indoor
CX-FB-OM4-04-IN-LSZH	OM4 Multimode Indoor Fiber Cable, 4F, LSZH	4	OM4 50/125 µm	LSZH	Indoor
CX-FB-OM4-12-IN-LSZH	OM4 Multimode Indoor Fiber Cable, 12F, LSZH	12	OM4 50/125 µm	LSZH	Indoor
CX-FB-OM4-24-IN-LSZH	OM4 Multimode Indoor Fiber Cable, 24F, LSZH	24	OM4 50/125 µm	LSZH	Indoor

Variant-Specific Specifications

Values that differ between part numbers

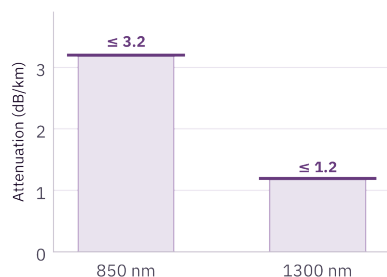
Part number	Cable outer diameter	Cable weight (approx.)	Tensile load — short term
CX-FB-OM4-02-IN-LSZH	3.2 mm	10 kg/km	660 N
CX-FB-OM4-04-IN-LSZH	4.8 mm	18 kg/km	660 N
CX-FB-OM4-12-IN-LSZH	6.2 mm	38 kg/km	660 N
CX-FB-OM4-24-IN-LSZH	8.2 mm	63 kg/km	1320 N

Part number	Crush resistance
CX-FB-OM4-02-IN-LSZH	1000 N/100 mm
CX-FB-OM4-04-IN-LSZH	1000 N/100 mm
CX-FB-OM4-12-IN-LSZH	1000 N/100 mm
CX-FB-OM4-24-IN-LSZH	1320 N/100 mm

Performance

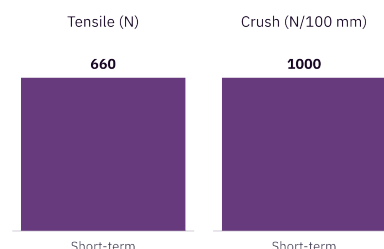
Shown for CX-FB-OM4-02-IN-LSZH

ATTENUATION PERFORMANCE

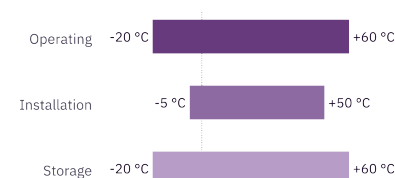


Maximum cabled attenuation per operating window.

MECHANICAL PERFORMANCE



TEMPERATURE RANGE



FACTORY TEST REPORT — SUPPLIED WITH EVERY DRUM

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



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