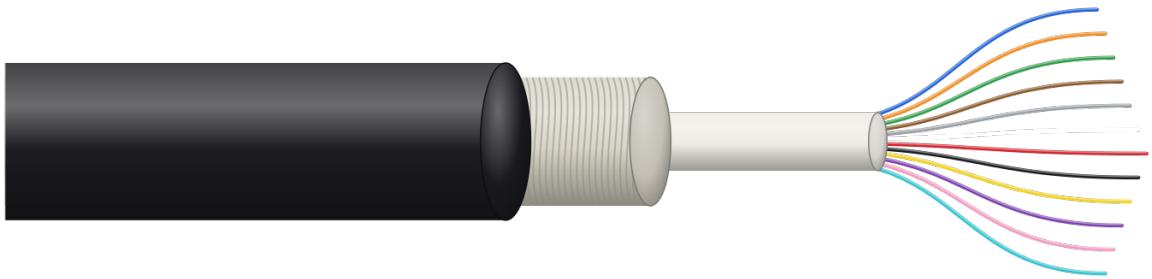
FIBER OPTIC CABLE

OM4 Multimode Indoor/Outdoor Fiber Cable

MULTIMODE · OM4 50/125 µm · INDOOR/OUTDOOR · LSZH

FAMILY **F48 • 2 PART NUMBERS**

SHOWN: CX-FB-OM4-12-IO-LSZH



12	3.2 / 1.2 dB/km	6 ± 0.5 mm	1500 N / 600 N
FIBER COUNT	ATTENUATION @ 850 / 1300 NM	CABLE OUTER DIAMETER	TENSILE LOAD SHORT / LONG TERM

OVERVIEW

Universal loose-tube OM4 multimode cable developed for short-reach campus and building-entrance links that pass between outdoor duct and indoor pathways without a transition splice, where applicable.

- Universal indoor/outdoor OM4 design
- LSZH sheath for building sections
- Gel-filled loose tube construction
- Non-metallic strength member
- Extended-bandwidth 50/125 µm fiber

APPLICATIONS

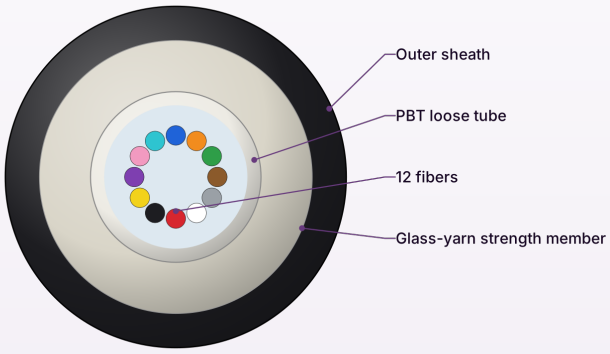
- Building entrance multimode links
- Campus short-reach backbones
- Data center inter-building links

STANDARDS & COMPLIANCE

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

Common Specifications

Values shared by all 2 part numbers in this family · variant-specific values on the following page



CROSS-SECTION (ILLUSTRATIVE, NOT TO SCALE) — SHOWN FOR CX-FB-OM4-12-IO-LSZH

CONSTRUCTION

Construction	**Central loose tube (unitube), glass-yarn strength member**
Tube / filling	**PBT / thixotropic gel**
Outer sheath	**LSZH, black**

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 / long term	**1500 N / 600 N**
Crush resistance	**1000 N/100 mm**
Min. bend radius — static / dynamic	**10 × OD / 20 × OD**

ENVIRONMENTAL

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

Ordering Information

2 part numbers · individual datasheets available for every part number

Part number	Description	Fiber count	Fiber	Jacket	Environment
CX-FB-OM4-12-IO-LSZH	OM4 Multimode Indoor/Outdoor Fiber Cable, 12F, LSZH	12	OM4 50/125 µm	LSZH	Indoor / outdoor
CX-FB-OM4-24-IO-LSZH	OM4 Multimode Indoor/Outdoor Fiber Cable, 24F, LSZH	24	OM4 50/125 µm	LSZH	Indoor / outdoor

Variant-Specific Specifications

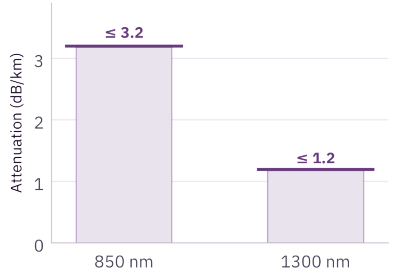
Values that differ between part numbers

Part number	Cable outer diameter	Cable weight (approx.)
CX-FB-OM4-12-IO-LSZH	6 ± 0.5 mm	50 kg/km
CX-FB-OM4-24-IO-LSZH	7 ± 0.5 mm	60 kg/km

Performance

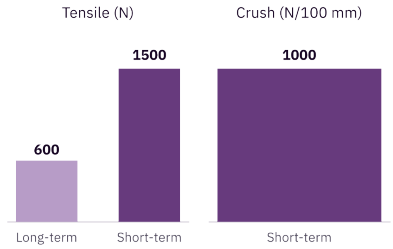
Shown for CX-FB-OM4-12-IO-LSZH

ATTENUATION PERFORMANCE

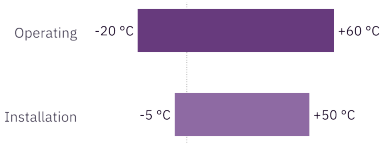


Maximum cabled attenuation per operating window.

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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