

15m (50ft) LC/UPC to LC/UPC OM4 Multimode Fiber Optic Cable, 50/125m LOMMF/VCSEL Zipcord Fiber, 100G Networks, Low Insertion Loss, LSZH Fiber Patch Cord

**Product ID:** 450FBLCLC15



The LC to LC Multimode Duplex Fiber Optic Patch cable facilitates reliable connectivity across 40 and 100 Gigabit networks.

With laser-optimized multimode fiber (LOMMF), the OM4 fiber patch cable is ideal for 850 nm and 1350 nm Vertical Cavity Surface Emitting Laser (VCSEL) and LED sources. Precision-manufactured ceramic ferrules ensure correct fiber alignment to prevent connectivity issues and minimize insertion loss. Designed for reliability in high-density network applications, the LC to LC UPC polished fiber ends greatly improves return loss characteristics over older PC polishing techniques which may negatively affect performance.

This multimode 50/125m fiber optic patch cord is backward compatible with OM3 and 1/10/40 Gbps networks, ensuring a reliable connection with legacy fiber environments.

Housed in a LSZH (Low-Smoke, Zero-Halogen) flame-retardant jacket, this OM4 fiber cable emits low smoke and toxic fumes when exposed to high heat or in the event of a fire. It enables safer cable installations in areas with poor ventilation including some industrial settings, self-contained environments such as trains and aircraft, as well as residential settings where building codes are a consideration.

Each OM4 fiber cable is also individually tested and certified to be within acceptable optical insertion loss limits for guaranteed compatibility and 100% reliability.

## Certifications, Reports and Compatibility



## Applications

- Use in 40/100 Gigabit Ethernet and fiber-channel applications
- High-speed connectivity for high-density applications

## Features

- **OM4 FIBER CABLE:** OM4 Laser-Optimized Multimode Fiber Cable is immune to EMI and supports up to 100 Gbps Ethernet; Full-duplex zip-cord with color-coded TX/RX connectors enable quick visual identification of polarity and conversion to simplex cabling
- **QUALITY CONSTRUCTION:** LC/LC connectors with UPC polished ends significantly improves return loss over PC polish; Robust molded connector strain reliefs minimizes wear from bending; Protective Aramid fiber for increased tensile strength
- **SAFETY AND RELIABILITY:** Individually tested for signal integrity; LSZH jacket emits low-smoke and toxic fumes if combusted; Attenuation value under 2.3dB/km meets or exceeds industry standards
- **WIDE COMPATIBILITY:** OM4 LC/LC multimode cable supports 1/10/40/100 Gbps networks; Backward compatible with OM3; For high-density network applications such as SANs, data servers, fiber switches, SFP+, QSFP+, and QSFP28 transceivers
- **SPECS:** 15m (49ft); Color: Aqua (OM4); LC/LC UPC; 50/125m Core/Cladding; 850nm or 1300nm LED/VCSEL; Modal Bandwidth: 2000MHz-km at 850nm; Cable OD: 2.9mm; Bend Radius: Static 1.2in (3cm), Dynamic 2.4in (6cm); Backed for Life

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### Hardware

|             |                                     |
|-------------|-------------------------------------|
| Warranty    | Lifetime                            |
| Fire Rating | LSZH Rated (Low Smoke Zero Halogen) |
| Fiber Size  | 50/125                              |

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### Performance

|                            |                                   |
|----------------------------|-----------------------------------|
| Maximum Data Transfer Rate | 100Gbps                           |
| Cable Rating               | 1Gbps / 10Gbps / 40Gbps / 100Gbps |
| Fiber Classification       | OM4                               |
| Type                       | Multi Mode                        |
| Wavelength                 | 850nm                             |

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### Connector(s)

|             |                           |
|-------------|---------------------------|
| Connector A | 1 - Fiber Optic LC Duplex |
|-------------|---------------------------|

|             |                           |
|-------------|---------------------------|
| Connector B | 1 - Fiber Optic LC Duplex |
|-------------|---------------------------|

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**Environmental**

|                       |                           |
|-----------------------|---------------------------|
| Operating Temperature | -20C to 60C (-4F to 140F) |
| Storage Temperature   | -20C to 60C (-4F to 140F) |
| Humidity              | 0~90% RH                  |

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**Physical Characteristics**

|                   |                  |
|-------------------|------------------|
| Color             | Aqua             |
| Cable Length      | 49.2 ft [15 m]   |
| Product Length    | 49.2 ft [15.0 m] |
| Product Width     | 0.0 in [0.0 cm]  |
| Product Height    | 0.0 in [0.0 cm]  |
| Weight of Product | 6.9 oz [195.0 g] |

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**Packaging Information**

|                           |                  |
|---------------------------|------------------|
| Package Quantity          | 1                |
| Package Length            | 7.9 in [20.0 cm] |
| Package Width             | 8.7 in [22.0 cm] |
| Package Height            | 1.3 in [32.0 mm] |
| Shipping (Package) Weight | 7.2 oz [205.0 g] |

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**What's in the Box**

|                     |                            |
|---------------------|----------------------------|
| Included in Package | 1 - 15 m Fiber Optic Cable |
|---------------------|----------------------------|

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***\*Product appearance and specifications are subject to change without notice.***