25m (82ft) 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: 450FBLCLC25



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 (low smoke zero halogen) jacket does not emit toxic fumes if combusted; Safe for enclosed/poorly ventilated spaces; 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: 25m (82ft); 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

Hardware		
	Warranty	Lifetime
	Fire Rating	LSZH Rated (Low Smoke Zero Halogen)
	Fiber Size	50/125
Performance		
	Maximum Data Transfer Rate	100Gbps
	Cable Rating	1Gbps / 10Gbps / 40Gbps / 100Gbps
	Fiber Classification	OM4
	Type	Multi Mode
	Wavelength	850nm
		1300nm
Connector(s)		

	Connector A	1 - Fiber Optic LC Duplex
	Connector B	1 - Fiber Optic LC Duplex
Environmental		
	Operating Temperature	-20C to 60C (-4F to 140F)
	Storage Temperature	-20C to 60C (-4F to 140F)
	Humidity	0~90% RH
Physical Characteristics		
	Color	Aqua
	Cable Length	82.0 ft [25 m]
	Product Length	0.0 in [0.0 mm]
	Product Width	0.0 in [0.0 cm]
	Product Height	0.0 in [0.0 cm]
	Weight of Product	0.0 oz [0.0 g]
Packaging Information		
	Package Quantity	1
	Package Length	10.0 in [25.5 cm]
	Package Width	13.0 in [33.0 cm]
	Package Height	2.0 in [5.1 cm]
	Shipping (Package) Weight	12.1 oz [342.0 g]
What's in the Box		
	Included in Package	1 - 25m OM4 Multimode Fiber Optic Cable - LC/LC

Product appearance and specifications are subject to change without notice.