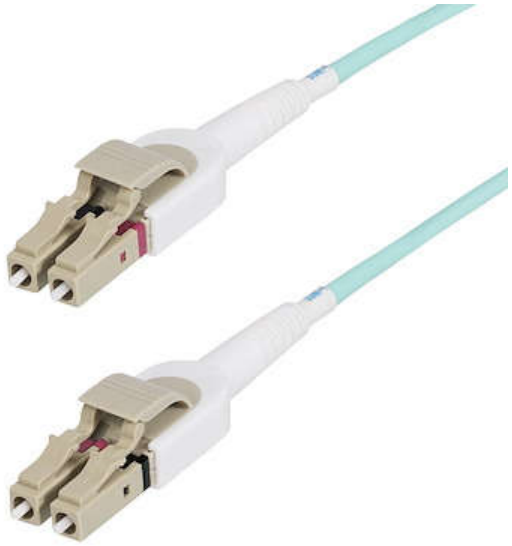
5m (15ft) LC to LC (UPC) OM4 Switchable Fiber Cable, Multimode 50/125m, 100G Networks, Low Insertion Loss, LSZH, Toolless Polarity Switching

Product ID: 450FBLCLC5SW



LC/UPC to LC/UPC OM4 Multimode Switchable Fiber Optic Cable enables 40/100G network connections. The retractable strain-relief housings enable toolless in-field polarity swapping. Color-coded LC-Duplex connectors ensure error-free polarity configuration.

Precision-manufactured ceramic ferrules ensure accurate 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. The Laser-Optimized Multi-Mode Fiber (LOMMF) OM4 fiber patch cable is ideal for 850nm and 1300nm Vertical-Cavity Surface-Emitting Laser (VCSEL) and LED sources.

This multimode 50/125m fiber optic patch cord is backward compatible with OM3 and 1/10/40G networks, ensuring a reliable connection in 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 extreme heat or in the event of a fire. This 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 compliance with building codes must be considered.

Each OM4 fiber cable is also individually tested for insertion loss performance that meets or exceeds the TIA/EIA-568 industry standard, for guaranteed compatibility and 100% reliability.

Certifications, Reports and Compatibility

Applications

• Use in 40/100 Gigabit Ethernet and fiber architecture

• Toolless polarity swap connectors w/retractable housing

Features

• SWITCHABLE OM4 CABLE: OM4 LOMMF Cable is immune to EMI and supports up to 100Gbps networks; Retractable connector housings enable toolless polarity swapping; Color-coded LC-Duplex connectors for quick visual polarity identification

• QUALITY CONSTRUCTION: LC/LC-UPC ends for improved return loss over PC polish; Bend Insensitive fiber core housed in Aramid-reinforced jacket for a loaded bend radius of 6cm and 3cm when unloaded

• SAFETY AND RELIABILITY: Individually tested for signal integrity; LSZH (Low-Smoke Zero-Halogen) jacket emits low toxic fumes if combusted; Safe for enclosed/poorly ventilated spaces; Attenuation below 2.4dB/km at 850nm meets or exceeds industry standards

• WIDE COMPATIBILITY: OM4 multimode cable supports 10/40/100G networks; Backward compatible with OM3; High micro-bending resistance facilitates tight bends in intricate environments, ideal for fiber switches/servers, SANs, and SFP+/QSFP+/QSFP28 modules

• SPECS: 5m (16.4ft); OM4; LC/LC UPC; 50/125m; 850nm or 1300nm LED/VCSEL; Modal Bandwidth: 4700MHz/km (850nm); Attenuation: 2.4dB/km (850nm), 0.6dB/km (1300nm); Cable OD: 2.9mm; Bend Radius: 6cm/2.4in (loaded), 3cm/1.2in (unloaded)

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
	Maximum Cable Length	16.4 ft [5 m]
	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	16.4 ft [5 m]
	Product Length	16.4 ft [5.0 m]
	Product Width	0.5 in [1.2 cm]
	Product Height	0.0 in [0.0 mm]
	Weight of Product	1.4 oz [41.0 g]
Packaging Information		
	Package Quantity	1
	Package Length	7.9 in [20.0 cm]
	Package Width	8.7 in [22.0 cm]
	Package Height	0.6 in [1.6 cm]
	Shipping (Package) Weight	1.8 oz [52.0 g]
What's in the Box		
	Included in Package	1 - 5m OM4 Multimode Switchable Fiber Optic Cable - LC to LC

Product appearance and specifications are subject to change without notice.