



## LC-LC (UPC) OM5 MULTI MODE DUPLEX FIBRE OPTIC CABLE

**PART NO.:** KB-LCLC-M50xx

**DESCRIPTION:** OM5 LC-LC Duplex Multi-Mode Fibre Patch Cord, LSZH

The KAYBE LC-LC (UPC) OM5 Multimode Duplex Fibre Optic Cable is designed for next-generation short-reach connectivity in data centers and enterprise networks, supporting high-speed 10G, 40G, and 100G applications and optimized for Short Wavelength Division Multiplexing (SWDM). Manufactured with 50/125 µm OM5 wideband multimode fibre, it enables multiple wavelengths to transmit over a single fibre pair, increasing bandwidth efficiency while remaining backward compatible with OM4, OM3, and OM2 infrastructure. Precision ceramic ferrules ensure accurate fibre alignment with low insertion loss, while UPC-polished LC connectors deliver stable and reliable signal transmission. The bend-resistant fibre design minimizes attenuation in tight routing scenarios, making it ideal for patching between switches, servers, and network equipment. Encased in a Low Smoke Zero Halogen (LSZH) flame-retardant jacket, the cable emits minimal smoke and toxic fumes, ensuring safer installations in data centers, commercial buildings, and confined environments.



### KEY FEATURES

- 1. Superior Build Quality:** SC-SC connectors with UPC polishing deliver improved return loss compared to traditional PC polish.
- 2. Safe & Reliable Performance:** Individually tested for consistent performance; LSZH jacket minimizes toxic fumes in case of fire.
- 3. Broad Network Compatibility:** OM5 duplex fibre supports 10G/40G/100G applications, is optimized for SWDM, and is backward compatible with OM4, OM3, and OM2; bend-resistant design enables tight routing in high-density data center installations.
- 4. Enhanced Fire Safety:** Low Smoke Zero Halogen (LSZH) fire-retardant cable jacket.

## CONSTRUCTION DATA SHEET

<b>ADAPTERS SUPPORTED</b>	Connector A1 - Fibre Optic LC Duplex Connector B1 - Fibre Optic LC Duplex
<b>PRODUCT SPECIFICATIONS</b>	
Cable Color	Green
Insertion Loss(dB)	≤0.3dB
Cable diameter	2.0mm
Cable type	LSZH
Ferrule Interface type	PC
Mode	50/125

## ENVIRONMENTAL CHARACTERISTICS

Operating Temperature	-20°C to 70°C
Storage Temperature	-40°C to 85°C

## ORDERING INFORMATION AS PER FOLLOWS

PART NO	PRODUCT DESCRIPTION	LENGTH
KB-LCLC-M5010	LC-LC (UPC) OM5 Multi Mode Duplex Fibre Optic Cable	1.0m
KB-LCLC-M5030	LC-LC (UPC) OM5 Multi Mode Duplex Fibre Optic Cable	3m
KB-LCLC-M5050	LC-LC (UPC) OM5 Multi Mode Duplex Fibre Optic Cable	5m

## OTHER PRODUCTS INCLUDE

<b>LC-SC (UPC) OS2 SINGLE MODE DUPLEX FIBRE OPTIC CABLE</b>	<b>LC-LC (UPC) OS2 SINGLE MODE DUPLEX FIBRE OPTIC CABLE</b>	<b>SC-SC (UPC) OS2 SINGLE MODE DUPLEX FIBRE OPTIC CABLE</b>	<b>LC-LC (UPC) OM4 MULTI MODE DUPLEX FIBRE OPTIC CABLE</b>
<b>SC-SC (UPC) OM4 MULTI MODE DUPLEX FIBRE OPTIC CABLE</b>	<b>LC-SC (UPC) OM4 MULTI MODE DUPLEX FIBRE OPTIC CABLE</b>	<b>LC-SC (UPC) OM5 MULTI MODE DUPLEX FIBRE OPTIC CABLE</b>	