

### Highlights:

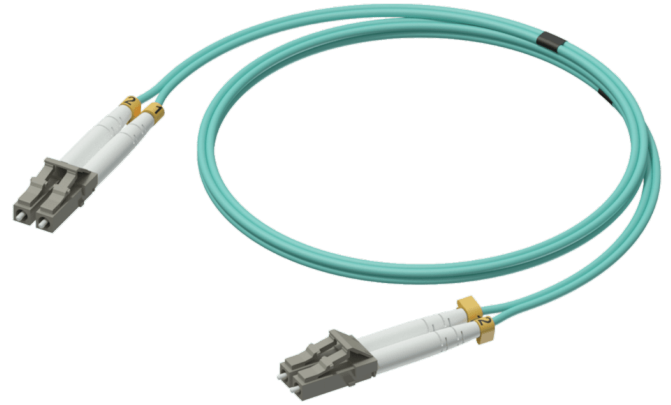
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- LSHF jacket
- Duplex multimode 50/125 OM3  $\mu\text{m}$  fiber
- LC/PC connectors fitted
- 2 x 4 mm ( $\varnothing$ ) outer diameter
- TIA/EIA-568B.3 & Bellcore GR-409 compliant

### Product information:

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The FBL130 is a laser optimized OM3 type (50/125  $\mu\text{m}$ ) duplex hybrid multimode fiber optic patch cord suitable for 10 Gigabit network standards. Both ends are terminated with duplex LC/PC connectors, allowing direct connection between transmitting and receiving units. The cable construction is composed of low-smoke and halogen free materials finished with an aqua coloured jacket to differentiate between standard 50/125  $\mu\text{m}$  (OM2) fibers (while being backward compatible). The conductor section of 50  $\mu\text{m}$  is optimized for laser transmission signals, resulting in 10 Gigabit signal transmission for lengths up to 300 meters.



### Properties:

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### Product Features:

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Application

AV & IT

Series

Classic Series

## Physical Characteristics:

Inner conductor	Insulation	Material	Aramid yarn
Outer jacket	Material		LSHF 2.0 x 4.0 mm (Ø)
	Colours		Aqua
Type of cable			Fiber optic LC/PC to LC/PC duplex
Inner conductor	Material		50/125 OM3 / Multimode
			50 / 2.5 µm multimode glass
	Number of conductors		2 (duplex)
Connection type			LC MM Duplex connector (beige housing with boot)
Cladding diameter			125 ± 1 µm (Ø)

## Standards & regulations:

RoHS2 compliant	According EU Directive 2011/65/EU
Reach compliant	According EC 1907/2006
Indoor / outdoor	Indoor
Circuit integrity	n/a
Smoke emissions	According IEC 61034
Zero halogen compounds	According EN 50267-2-1 IEC 60754
Cabling standard	ANSI TIA-EIA 568B.3 Bellcore GR-409 OFNR-UL/CSA FT4

## Optical Characteristics:

Maximum attenuation	≤ 2.5 dB @ 850 nm
	≤ 0.8 dB @ 1300 nm
Insertion loss	≤ 0.3 dB
Return loss	≥ 35 dB
Minimum bandwidth	1500 MHz @ 850 nm
	500 MHz @ 1300 nm

## Mechanical Characteristics:

Temperature range	Fixed installation	- 20 °C till + 80 °C
	Mobile installation	- 15 °C till + 60 °C
Bending radius	Fixed installation	10 x outer diameter
	Mobile installation	20 x outer diameter
Max tension	Short term	200 N
	Long term	100 N
Crush resistance		1000 (N / 100 mm)

## Variants:

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- FBL130/0.5 - 0.5 meter - lshf - aqua
- FBL130/1 - 1 meter - lshf - aqua
- FBL130/1.5 - 1.5 meter - lshf - aqua
- FBL130/3 - 3 meter - lshf - aqua