

Highlights:

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

Product information:

The FBL130 is a laser optimized OM3 type (50/125 μm) 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 μm (OM2) fibers (while being backward compatible). The conductor section of 50 μm is optimized for laser transmission signals, resulting in 10 Gigabit signal transmission for lengths up to 300 meters.



Properties:



Product Features:

Application	null
Series	null

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 " 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	- 68 °F till + 176 °F
	Mobile installation	- 59 °F till + 140 °F
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 / 3.94 ")

Variants:

- 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