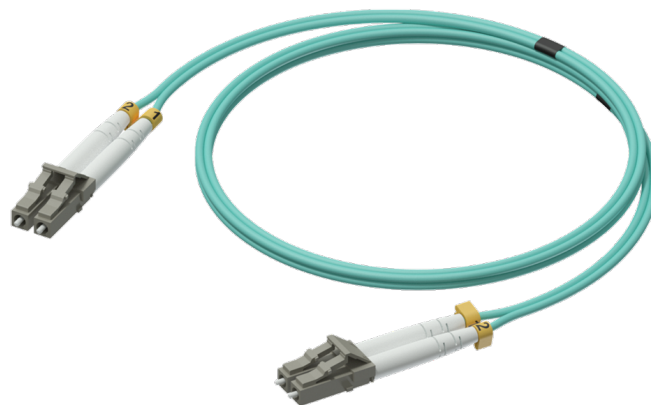


Product information

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

Highlights

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



Properties



Usage

INSTALL

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 m multimode glass
	Number of conductors		2 (duplex)
Connection type			LC MM Duplex connector (beige housing with boot)
Cladding diameter			125 ± 1 m (Ø)

Standards & regulations		Optical Characteristics	
RoHS2 compliant	According EU Directive 2011/65/EU	Maximum attenuation	2.5 dB @ 850 nm
Reach compliant	According EC 1907/2006		0.8 dB @ 1300 nm
Indoor / outdoor	Indoor	Insertion loss	0.3 dB
Circuit integrity	n/a	Return loss	35 dB
Smoke emissions	According IEC 61034	Minimum bandwidth	1500 MHz @ 850 nm
Zero halogen compounds	According EN 50267-2-1		500 MHz @ 1300 nm
	IEC 60754		
Cabling standard	ANSI TIA-EIA 568B.3		
	Bellcore GR-409		
	OFNR-UL/CSA FT4		

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

- 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