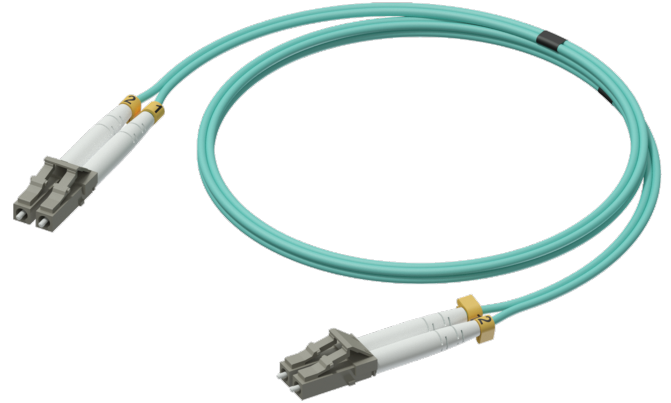


Highlights:

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

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:



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 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 |
| | 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