LC – LC G.657.A1 LSZH 2.0mm Duplex Single Mode Fiber Patch Cord



Description

The BlueOptics© SFP3131BUXMY Fiber Patch Cord is a high performance, cost effective cable for interconnection between two single mode fiber devices, like SFP+ modules.

All BlueOptics© Fiber Patch Cords come with high return loss and low insertion loss.

BlueOptics© single mode Fiber Patch Cords are compliant to Telcordia GR-326-Core.

BlueOptics© Fiber Patch cords are available in many different variants to fit your needs:

- Multi Mode or Single Mode
- LC, SC, ST or E2000© Connector
- Different Connectors on each side
- PC or APC Polish
- Simplex or Duplex

Applications

- ✓ Backbone Systems
- ✓ In House Cabling
- ✓ Fiber to the Desk

Features

- ✓ 2x Duplex LC Connector
- ✓ PC or APC Polish
- ✓ High Quality Ceramic Zirconia Ferrule
- ✓ Brand-name Fiber
- ✓ Fiber 9/125µm SM OS2 G.652.D Round Cable
- ✓ Yellow LSZH Coating
- ✓ Insertion Loss: ≤ 0.2dB
- ✓ Return Loss: ≥ 30dB
- ✓ Brand-name Connector
- ✓ Highest Connector Quality: Up 1500 mating cycles
- ✓ Interferometer Tested
- ✓ Single Packed
- ✓ Test Report

Warnings

Laser Safety: Even small radiation emitted by laser devices can be dangerous to human eyes and lead to permanent eye injuries. Be sure to avoid eye contact with direct or indirect radiation.

Warranty

Every BlueOptics© fiber patch cord comes with a 25 year replacement warranty and lifetime support.
For a warranty inquiry, please contact your CBO sales representative.
This warranty only covers the first user of the equipment.

Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by CBO before they become applicable to any particular order or contract. In accordance with the CBO policy of continuous improvement specifications may change without notice.

The publication of information in this data sheet does not imply freedom from patent or other protective rights of CBO or others.

Further details are available from any CBO sales representative.

Installation

Before installation attach an ESD-preventive wrist to ensure not to damage your hardware.

Remove the dust caps of the connector.

Put the LC connector into the LC socket of your hardware until you hear a “click” sound.

You can now use your connection.

If you got problems with the connection:

- *Please make sure the connector is clean. If not, use a tissue and anhydrous alcohol to clean it accurate.*

Order Information

Part No.	Length	Polish
SFP3131BU0.5MK	0.5 Meter	PC
SFP3131BU1MK	1 Meter	PC
SFP3131BU2MK	2 Meter	PC
SFP3131BU3MK	3 Meter	PC
SFP3131BU5MK	5 Meter	PC
SFP3131BU7.5MK	7.5 Meter	PC
SFP3131BU10MK	10 Meter	PC
SFP3131BU15MK	15 Meter	PC
SFP3131BU20MK	20 Meter	PC
SFP3131BU30MK	30 Meter	PC
SFP3131BU50MK	50 Meter	PC
SFP3131BU0.5MM	0.5 Meter	APC
SFP3131BU1MM	1 Meter	APC
SFP3131BU2MM	2 Meter	APC
SFP3131BU3MM	3 Meter	APC
SFP3131BU5MM	5 Meter	APC
SFP3131BU7.5MM	7.5 Meter	APC
SFP3131BU10MM	10 Meter	APC
SFP3131BU15MM	15 Meter	APC
SFP3131BU20MM	20 Meter	APC
SFP3131BU30MM	30 Meter	APC
SFP3131BU50MM	50 Meter	APC

Regulatory Compliance

Feature	Standard	Co.
Smoke Density Purpose	IEC-61034	✓
Halogen Acid Content	IEC-754-1	✓
Flame Resistance	IEC 60332-1, IEC 60332-3	✓
Component Recognition	IEC/EN 60950, UL	✓
RoHS	2002/95/EC	✓
WEEE	2002/96/EG	✓

1. LC/UPC Geometrical Parameter

Parameter	Standard	
	Minimum	*Maximum*
Radius(mm)	7	*25*
Apex offset (um)	0	*50*
Fiber Height(nm)	-0.02*R3 +1.3R2 -31R+325	*100*

2. LC/APC Geometrical Parameter

Parameter	Standard		
	Minimum	Standard	Maximum
Angel(°)	7.5	8	8.5
Radius(mm)	5		*12*
Apex offset (um)	0		*50*
Fiber Height(nm)	-100		*100*

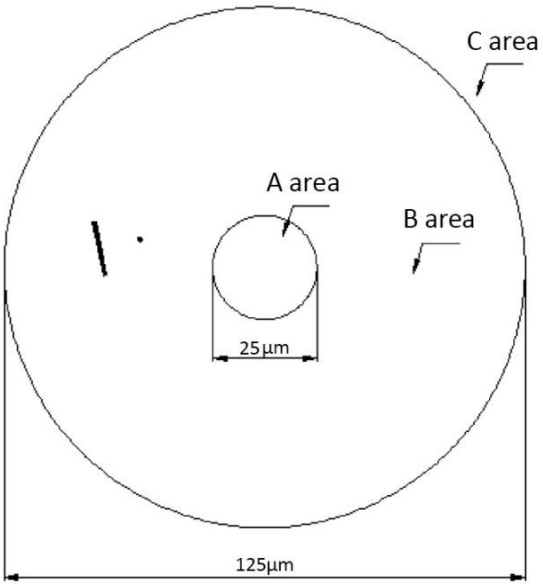
3. Mechanical Specifications

Parameter		Standard
Maximum Tensile Load (N)		200
Minimum Bend Radius(mm)		30
	Storage	
	Installation	
	Operating	

4. Reliability Performance

Item	Content	Standard Clause	Conclusion
1	New Device Performance	GR-326-Core 4.4.1	OK
2	High Temperature Aging	GR-326-Core 4.4.2.1	OK
3	Temperature Cycle	GR-326-Core 4.4.2.2	OK
4	Damp-heat Aging	GR-326-Core 4.4.2.3	OK
5	Damp & Hot/ Condensation Cycle	GR-326-Core 4.4.2.4	OK
6	Draying (Not test Item)	GR-326-Core 4.4.2.5	N/A
7	Temperature Cycle after Condensation	GR-326-Core 4.4.2.6	OK
8	Vibration	GR-326-Core 4.4.3.1	OK
9	Buckling	GR-326-Core 4.4.3.2	OK
10	Twist	GR-326-Core 4.4.3.3	OK
11	Tensile	GR-326-Core 4.4.3.4	OK
12	Transmission Performance with Loading	GR-326-Core 4.4.3.5	OK
13	Impact	GR-326-Core 4.4.3.7	OK
14	Durability	GR-326-Core 4.4.3.8	OK
15	Device test after environmental and mechanical test	GR-326-Core 4.4.3.9	OK
16	Salt Spray	GR-326-Core 4.4.4.4	OK
17	85°C water soak	GR-326-Core 4.4.4.5	OK

5. Quality assurance



Area A (0~25µm):	Area B (25~125µm):	Area C (125~250µm):
- No any scratch, chips / black dot - No cleanable dust	- White slight scratch width = 1µm, no limit of length, Acceptable Quantity=2 - No black scratches - Chips /black dot diameter ≤2µm, Acceptable Quantity≤2 - No cleanable dust	- White slight scratch width ≤2µm, no limit of length, Acceptable Quantity≤3 - No black scratch - Chips /black dot diameter ≤5µm, Acceptable Quantity≤3 - No cleanable dust - No flaw for ceramic ferrule