



## PREMIUM DUPLEX OPTICAL CORD UNIBOOT LC 1.6MM

**Description** Fully dielectric optical multi-fiber cords made of two Singlemode (9/125) or Multimode (50/125)OM4 or OM5 optical fibers with LSZH jacket. Features optimized construction for high-density with reduced diameter cordage terminated with duplex LC uniboot low-loss connectors.

**Application** Support for background requirements of IEEE 802.3 and ANSI T11.2 (Fibre Channel) standard.

**Advantage**

- Recommended for internal use only, interconnecting optical internal distributors with networking equipments, in optical systems with low loss and high bandwidth, like: high distance systems, backbone networks, video and data transmission and distribution;
- 100% assembled and tested in factory;
- 100% tested on Interferometer and Scope;
- High performance for insertion loss and return loss (backreflection);
- Available for singlemode and multimode optical fiber;
- Available in PC polishing;
- Random mate methodology tested, ensuring low loss on any connection.

**Operation Temperature (°C)** -25°C to 75°C

**Nominal Diameter (mm)** 1.6 mm

**Length** Standard: 1.5, 2.5, 3.0, 5.0, 7.0, 10.0, 15.0 e 20.0 meters  
Other lengths on request.

Color	Cordage Color		
	Fiber	TIA 598 - C	ABNT
	Singlemode G657A (9µm)	Yellow	Blue
	Multimode OM4 (50µm)	Aqua	Aqua
	Multimode OM5 (50µm)	Lime Green	Lime Green

**Connector Type** LC

- "Push-pull" type connector in a sigle boot
- Plastic housing
- Ceramic ferrule (zirconia)
- Singlemode fiber
- PC polishing
- Blue (SM) or Acqua (MM)

- Removal Accessory

**Fiber Type**

- Multimode OM5 (50/125 $\mu$ )
- Multimode OM4 (50/125 $\mu$ )
- Monomode G.657-A BLI-A/B (9.2/125 $\mu$ )

**Polishing Type**

- UPC (Multimode or Single-mode)

**Insertion Loss (dB)**

CONNECTOR TYPE	FIBER TYPE	POLISH	INSERTION LOSS - MAX
LC	MM	PC	0,10
LC	SM	PC	0,15

**Return Loss (dB)**

CONNECTOR TYPE	FIBER TYPE	POLISH	RETURN LOSS
LC	MM	PC	> 30
LC	SM	PC	> 50

**Cable Flammability Rating**

- LSZH - Low Smoke and Zero Halogen

**Mated**

> 500 insertions

**Marking**

Includes the manufacturer's name, product identification and manufacturing date.

**Minimum Order Quantity**

1 box

**Compatibility**

All FCS products

**Warranty**

12 months

**Certifications**

ANATEL  
 LC-PC Uniboot 03459-16-00256  
 Cordão MTF BLI: 00908-12-00256  
 Cordão MTF 50.0: 00906-12-00256

**Standard**

ISO 8877 - Information Technology - Telecommunications and information exchange between systems - Interface connector and contact assignments for ISDN basic access interface located at reference points S and T  
 ANSI/TIA-568.1-D - Commercial Building Telecommunications Cabling Standard - General Requirements  
 ANSI/TIA-568.3-D - Optical Fiber Cabling Components Standard  
 ANSI/ICEA S-83-596 Standard for Indoor Optical Fiber Cable  
 IEC 60332-3 Test on Electric Cables Under Fire Conditions  
 IEC 60754-2 Acidity of Smoke  
 IEC 61034-2 Measurement of smoke density of cables burning under defined conditions

ISO/IEC 11.801 Ed.02 - Generic Cabling for Customer Premises  
TIA-604-10 - FOCIS10 Fiber Optic Connector Interchangeability Standard - Type LC  
ITU-T G.657 Characteristics of a bending-loss insensitive single-mode optical fibre and cable  
ITU-T G.651 Characteristics of a 50/125 mm multimode graded index optical fibre cable  
ABNT NBR 14106 - Cordão Óptico  
ABNT NBR 14433 - Conectores montados em cordões ou cabos de fibras ópticas e adaptadores -  
Especificação

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**RoHS**

This product is in accordance with the RoHS European Directive: a directive on the restriction of the use of certain hazardous substances and related to the environmental preservation

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[Codification](#)