



## PREMIUM DUPLEX OPTICAL CORD UNIBOOT LC 1.6MM



<b>Description</b>	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.																	
<b>Application</b>	Support for background requirements of IEEE 802.3 and ANSI T11.2 (Fibre Channel) standard.																	
<b>Advantage</b>	<ul style="list-style-type: none"> <li>• 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;</li> <li>• 100% assembled and tested in factory;</li> <li>• 100% tested on Interferometer and Scope;</li> <li>• High performance for insertion loss and return loss (backreflection);</li> <li>• Available for singlemode and multimode optical fiber;</li> <li>• Available in PC polishing;</li> <li>• Random mate methodology tested, ensuring low loss on any connection.</li> </ul>																	
<b>Operation Temperature (°C)</b>	-25°C to 75°C																	
<b>Nominal Diameter (mm)</b>	1.6 mm																	
<b>Length</b>	Standard: 1.5, 2.5, 3.0, 5.0, 7.0, 10.0, 15.0 e 20.0 meters Other lengths on request.																	
<b>Color</b>	<table border="1"> <thead> <tr> <th colspan="3">Cordage Color</th> </tr> <tr> <th>Fiber</th> <th>TIA 598 - C</th> <th>ABNT</th> </tr> </thead> <tbody> <tr> <td>Singlemode G657A (9µm)</td> <td>Yellow</td> <td>Blue</td> </tr> <tr> <td>Multimode OM4 (50µm)</td> <td>Aqua</td> <td>Aqua</td> </tr> <tr> <td>Multimode OM5 (50µm)</td> <td>Lime Green</td> <td>Lime Green</td> </tr> </tbody> </table>			Cordage Color			Fiber	TIA 598 - C	ABNT	Singlemode G657A (9µm)	Yellow	Blue	Multimode OM4 (50µm)	Aqua	Aqua	Multimode OM5 (50µm)	Lime Green	Lime Green
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<b>Connector Type</b>	LC <ul style="list-style-type: none"> <li>• "Push-pull" type connector in a single boot</li> <li>• Plastic housing</li> <li>• Ceramic ferrule (zirconia)</li> <li>• Singlemode fiber</li> <li>• PC polishing</li> </ul>																	

- 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

**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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[Part Numbers](#)