



## 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	<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>																	
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	<table><tr><td colspan="3">Cordage Color</td></tr><tr><td>Fiber</td><td>TIA 598 - C</td><td>ABNT</td></tr><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></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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Connector Type	LC <ul style="list-style-type: none"><li>• "Push-pull" type connector in a sigle boot</li><li>• Plastic housing</li><li>• Ceramic ferrule (zirconia)</li><li>• Singlemode fiber</li><li>• PC polishing</li><li>• Blue (SM) or Acqua (MM)</li><li>• Removal Accessory</li></ul>																	
Fiber Type	<ul style="list-style-type: none"><li>• Multimode OM5 (50/125µ)</li><li>• Multimode OM4 (50/125µ)</li></ul>																	

- Monomode G.657-A BLI-A/B (9.2/125μ)

**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

Quantity of insertion cycles > 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 Intermateability 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

**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

[Part Numbers](#)