WAVE2WAVE.io
Cabling, Power, Connectivity - Simplified

w-Ignite™ LC Fiber Patch Cord

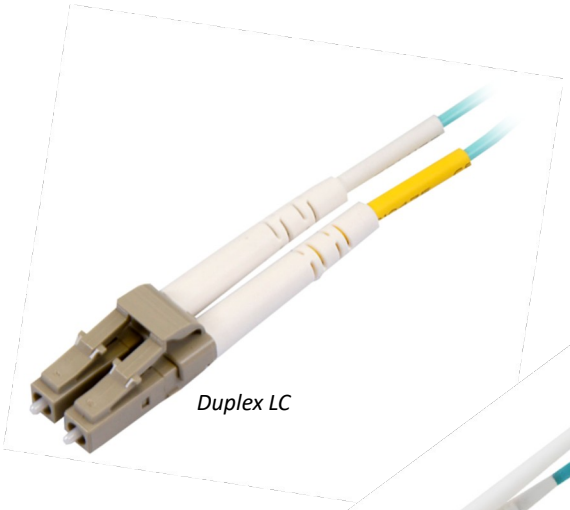
Overview

As network speeds and densities grow, efficient cable management is essential for data center performance. Managing more connections in limited space demands flexible, durable, and high-performance cabling. Fiber optics add complexity due to their fragile design and sensitivity to stress or bending, which can affect signal integrity.

Uni-Boot Fiber Patch Cords reduce cable volume by up to 50% compared to traditional duplex designs. Each assembly integrates two fibers for bidirectional transmission within a single 3mm jacket, improving airflow and routing in dense racks. The compact LC or SC Uni-Boot connectors provide standard duplex connectivity in a streamlined form.

By cutting cable usage in half, Uni-Boot cables maximize space and organization while simplifying installation. Available in Single-Mode and Multimode (50/125, 62.5/125, OM3, OM4) with riser or plenum jackets, they fit a wide range of environments.

Each patch cord includes dual-end labeling for fast traceability, and the Push-Pull Tab design enables quick, tool-free handling in high-density racks.



Duplex LC



EVO™ Push-Pull Tab

Features & Benefits

- Low Return Loss (RL) and Low Insertion Loss (IL)
- 100% individually tested with detailed performance report
- Connector types: LC, SC, FC, ST, MTRJ, Uni-Boot LC, and Mini-LC
- Polish options: UPC, APC, and PC
- Fiber types: Single-Mode and Multimode (OM1–OM4)
- Cable options: Riser, Plenum, or LSZH
- Dual-end serialized labeling for simplified installation and tracking
- Custom configurations available at no additional cost
- Compact, cost-effective solution for space-limited applications

Applications

- Storage Area Networks (SAN)
- Data Centers
- 10G/40G Ethernet Systems
- High-Density Cabling Environments
- Interconnect and Cross-Connect Deployments

Recommended Operating Conditions			
Fiber Type	**SM**		**MM**
Polishing	UPC	APC	PC
Insertion Loss	< 0.3dB	< 0.5dB	< 0.3 dB
Return Loss	≥ 50dB	≥ 60dB	≥ 25dB
Durability	> 1000 Matings		> 1000 Matings
Core Diameter	9/125 µm		50/125 µm or 62.5/125 µm
Operating Temperature	-40 ºC to 80 ºC		

Note: Specifications subjected to changes due to customization

Product Selection					
Part Number: ABU-CDEFg-XXM					
AB	C	DE	F	g	XX
31 (LC-LC)	3 (SMF 8.3/125) 4 (OM3 50/125) 8 (OM4 50/125)	02	1 (UPC)	U (3mm jacket)	Length (Meters)

Standards Compliance

- Telcorida GR-326-CORE
- TIA/EIA-568B-B.3 Fiber Optic Cabling Components Standard
- IEEE802.3z Standards for Fiber Optic Cabling
- RoHS Approved for European Market Requirements

RoHS