

# w-ignite™ Fiber Optic Patch Cords

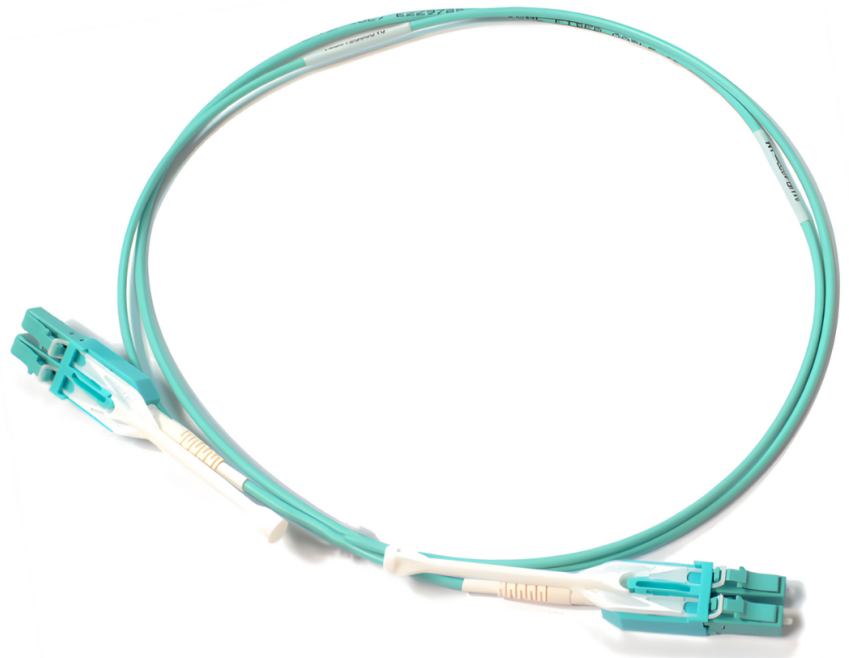
## Overview

LC Fiber Optic Patch Cords deliver high-speed, low-loss performance for data, telecom, and enterprise applications. Designed to replace copper cabling, these assemblies provide superior bandwidth, longer reach, and EMI immunity, making them ideal for high-capacity and mission-critical networks.

Each cable is built for maximum transmission quality at the cross-connect — the most vital point in any optical system. Manufactured to exceed industry standards, Wave2Wave patch cords ensure dependable signal integrity and consistent optical performance in demanding environments.

Fully GR-326-CORE and RoHS compliant, every assembly is individually tested and serialized with detailed quality data. With a wide range of connector, fiber, and jacket options, Wave2Wave delivers customized solutions for data centers, telecom rooms, and enterprise facilities.

Each patch cord includes dual-end identification with serial number, part number, barcode, and product name to simplify installation and traceability.



*Serial Number*



*Pig Tail*

### Features & Benefits

- Low Return Loss (RL) & Low Insertion Loss (IL)
- 100% factory-tested and accompanied by individual test data
- Connector options: LC, SC, FC, ST, MTRJ, LC Uni-Boot, and Mini-LC
- Available polish types: UPC, APC, and PC
- Fiber options: OM1, OM2, OM3, OM4, and Single-Mode
- Cable types: Riser, Plenum, or LSZH
- Serialized labeling for fast installation and traceability
- Full customization available at no additional cost
- Cost-effective, high-performance connectivity solution

### Applications

- Telecom and Datacom Infrastructure
- Storage Area Networks (SAN)
- CATV Systems
- Multimedia and Enterprise Networks

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| Performance Specifications |         |                         |        |      |                    |       |
|----------------------------|---------|-------------------------|--------|------|--------------------|-------|
| LC/SC Specifications       |         | Single Fiber Connectors |        |      |                    |       |
|                            |         | SM<br>(1310 & 1550)     |        |      | MM<br>(850 & 1300) |       |
| Connector                  |         | LC/UPC                  | SC/UPC | APC  | LC/PC              | SC/PC |
| Insertion Loss (dB)        | Typical | 0.15                    | 0.15   | 0.15 | 0.10               | 0.10  |
|                            | Max     | 0.30                    | 0.30   | 0.30 | 0.20               | 0.20  |
| Return Loss (dB)           | Max     | -50                     | -50    | -60  | N/A                | N/A   |

| Product Selection                                       |   |              |                              |  |                    |
|---|---|--------------|------------------------------|--|--------------------|
| Part Number: AB-CDEfg-XXM                               |   |              |                              |  |                    |
| AB  | C   | DE           | F                            | g (optional)                             | XX                 |
| 31 (LC-LC)<br>31U (Uni-Boot LC)<br>31P (Pull Tab LC-LC) | 3 (SMF 9/125)<br>4 (OM3 50/125)<br>8 (OM4 50/125) | 02<br><br>04 | 0 (PC)<br>1 (UPC)<br>2 (APC) | P (Plenum)<br>m (2mm jacket)<br>L (LSZH) | Length<br>(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

