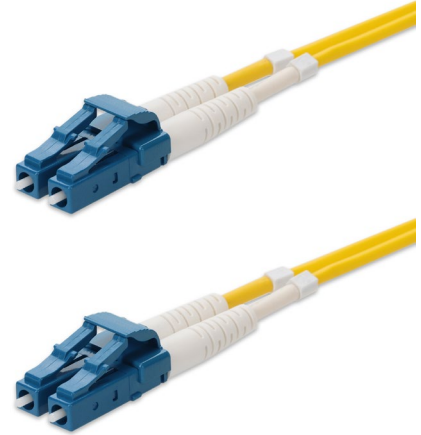


### **C-LC-LC-10M9SMFLZ**

10m LC to LC Yellow OS2 Duplex LSZH SMF Fiber Patch Cable

#### **Features**

- LC/LC Male connectors
- 9/125 Single-Mode Fiber Patch Cable
- LSZH cable jacket type
- Yellow Jacket Color
- OS2 Rated
- Insertion Loss  $\leq 0.2\text{dB}$
- Return Loss  $\geq 55\text{dB}$



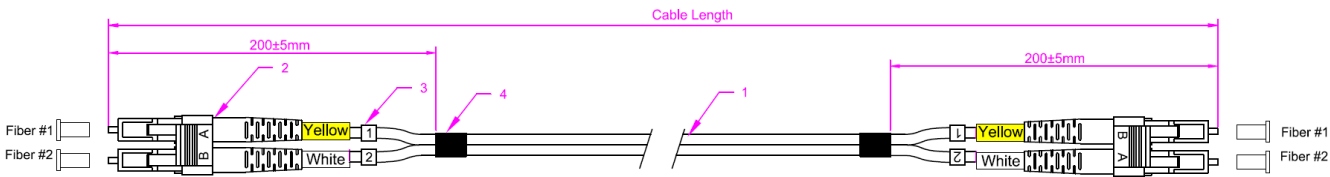
#### **Product Description**

This is a 10m LC to LC Yellow OS2 Duplex LSZH SMF Fiber Patch Cable. OS2 fiber optic cable is a high-performance single-mode fiber designed for long-distance data transmission, making it ideal for businesses requiring reliable and fast network connections over longer distances up to 200kilometers. With low signal loss and the ability to support 1G to 100G speeds, ensuring efficient communication across offices, data centers, or industrial facilities. LSZH (Low Smoke Zero Halogen) fiber cable jackets are designed to minimize toxic smoke and harmful emissions in the event of a fire, making them ideal for enclosed or high-traffic areas. These cables provide enhanced safety and environmental protection, making them a popular choice for businesses prioritizing workplace safety and eco-friendly infrastructure. The Standard Boot option provides reliable and straightforward connections for fiber cables, making it an economical choice for various networking applications. Ideal for businesses that require dependable performance without the complexity, this option ensures consistent data transmission in everyday network setups. Our cables are TIA compliant, ensuring performance for all networking needs.

## Specifications

| Parameter                  | Specification                 |
|----------------------------|-------------------------------|
| Environment                | Indoor                        |
| Fiber Type                 | SMF                           |
| Connector                  | LC (Male) to LC (Male)        |
| Color                      | Yellow                        |
| Shielded                   | No                            |
| Strand Count               | 2                             |
| Cable Mode                 | Duplex                        |
| Jacket Type                | LSZH                          |
| Termination Type           | Crossover                     |
| Core/Cladding              | 9/125μm                       |
| Fiber Termination          | UPC - Ultra Physical Contact  |
| Polarity                   | Type A-B                      |
| Cable Type                 | OS2                           |
| Armored                    | No                            |
| Bend Insensitivity         | G.657.A1                      |
| Connector 1 Ferrule Polish | UPC (Ultra Physical Contact)  |
| Connector 2 Ferrule Polish | UPC (Ultra Physical Contact)  |
| Insertion Loss Grade       | Grade C                       |
| Fire Rating                | General Purpose (OFNG)        |
| Jacket Material            | LSZH (Low Smoke Zero Halogen) |
| Outer Diameter             | 2.0mm                         |
| Connector 1 Boot Style     | Standard Boot                 |
| Connector 2 Boot Style     | Standard Boot                 |
| Connector 1 Color          | Blue                          |
| Connector 2 Color          | Blue                          |
| Insertion Loss             | ≤0.2dB                        |
| Return Loss                | ≥55dB                         |
| Cable Tolerance            |                               |
| Cable Length <1m           | 5cm                           |
| 1m≤ Cable Length <15m      | 10cm                          |
| 15m≤ Cable Length <30m     | 15cm                          |
| Cable Length ≥30m          | Cable Length* 1%              |

Mechanical Specifications



| Item | Quantity | Specifications                                                         |
|------|----------|------------------------------------------------------------------------|
| 1    | A/R      | OD:2.0mm, 9/125 G657A1, Duplex, Fiber Optic Cable, LSZH, Color: Yellow |
| 2    | 2        | LC/UPC SM 2.0mm Duplex Connector (Blue Housing 19mm White Boot)        |
| 3    | 4        | Cable Marker                                                           |
| 4    | 2        | Black Shrinkage Tube                                                   |

## About ProLabs

Our experience comes as standard; for over 15 years ProLabs has delivered optical connectivity solutions that give our customers freedom and choice through our ability to provide seamless interoperability. At the heart of our company is the ability to provide state-of-the-art optical transport and connectivity solutions that are compatible with over 90 optical switching and transport platforms.

## Complete Portfolio of Network Solutions

ProLabs is focused on innovations in optical transport and connectivity. The combination of our knowledge of optics and networking equipment enables ProLabs to be your single source for optical transport and connectivity solutions from 100Mb to 400G while providing innovative solutions that increase network efficiency. We provide the optical connectivity expertise that is compatible with and enhances your switching and transport equipment.

## Trusted Partner

Customer service is our number one value. ProLabs has invested in people, labs and manufacturing capacity to ensure that you get immediate answers to your questions and compatible product when needed. With Engineering and Manufacturing offices in the U.K. and U.S. augmented by field offices throughout the U.S., U.K. and Asia, ProLabs is able to be our customers best advocate 24 hours a day.



## Contact Information

ProLabs US

Email: [sales@prolabs.com](mailto:sales@prolabs.com)

Telephone: 952-852-0252

ProLabs UK

Email: [salesupport@prolabs.com](mailto:salesupport@prolabs.com)

Telephone: +44 1285 719 600