

Optical Fiber Locking Patch Cords

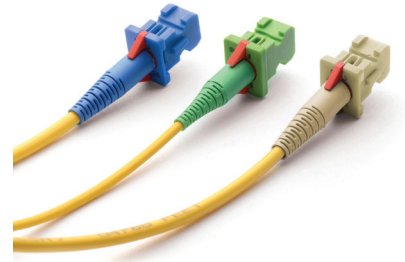
molex

The Molex Optical Fiber Locking Patch Cords are designed to prevent unauthorized changes in highly sensitive applications.

These highly sensitive applications include data centers and Secure IT networks where multiple physical layer classifications may exist. The especially designed SC and compact Uni-Body LC plug into any industry compliant SC or LC adapter or active device port but cannot be disconnected without the use of a special extraction tool.

The efficient design accommodates high density patching applications and is ideal to secure physical layer control in military and federal networking, video broadcast and highly sensitive data center markets.

The extraction tools allow for easy manual connector removal even from high density patch panels and are color coded to match the connector key type. The connectors plug into both duplex and quad adapters.



SC Locking Patch Cords

Features and Advantages

LC locking patch cord:

- Once Secure LC's are connected, they can only be removed by using the keyed extraction tool

- 4 key combinations with separate colors

- Plugs into standard LC Duplex & Quad adapters and transceiver interfaces

- Compact Uni-body Duplex format

- The connectors boot color indicate fiber type and application

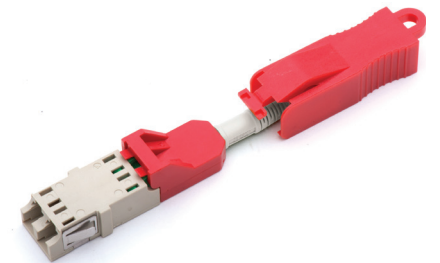
SC locking patch cord:

- True locked connector security

- Multiple key configurations of access control and tamper-proofing

- Compatible with all industry standard passive and active SC ports

- Industry standard color coding of housings for easy identification and administration of SM and MM Port



LC Key



SC Key

Markets and Applications

- Secure Federal IT Networks
- Data Centers
- Private Networks
- Industrial Process Control
- Fiber Sensor Applications
- FTTX bi-directional networks
- Telecom rooms & ODF's
- Secure military IT networks
- Commercial enterprise networks
- Customer premise connections
- Test labs

www.molexces.com

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Optical Fiber Locking Patch Cords



Specifications

MECHANICAL

Operating temperature: -40°C to +75°C
 Mechanical requirement: To meet and exceed
 GR-326 Core Issue 4

SC and LC length tolerance
 ≤1m: +50/-0mm
 Above 1m to 10m: +100/-0mm
 ≥10m: +1%*L/-0mm

ELECTRICAL

Insertion loss: 0.1dB Typical for SM UPC, SM APC,
 MM PC
 Return loss: 55dB for SM UPC, 65dB for SM APC

Multimode SC and LC types
 Insertion Loss: ≤0.30dB
 Return Loss: N/A
 Test Wavelength: 850nm and 1300nm

COMMERCIAL STANDARDS

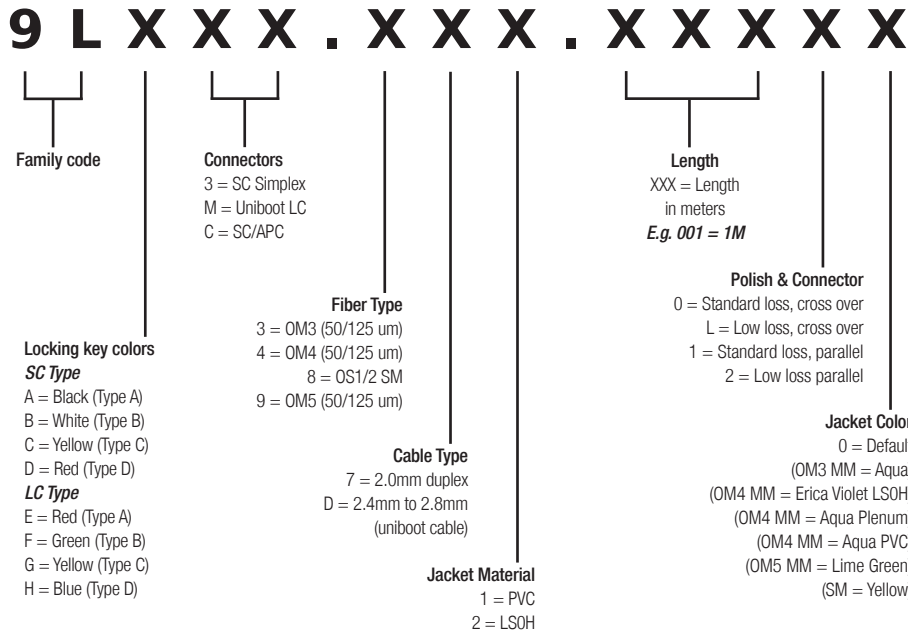
TIA/EIA 568-D
 ISO/IEC 11801-2: 2017

ENVIRONMENTAL STANDARDS

RoHS compliant

Ordering Information

Part No. Matrix - Substitute the correct code number or letter to determine the assembly construction



For example: To order Optical Fiber Patch Cord SC-SC Black Key OM3, LSOH, Aqua, 1 meter, the part number would be 9LA33.372.00100

Order No.	SAP No.	Description	Color
OF-SC-KEY-A	18268-0053	Key (Type A) Optical Fiber Patch Cords Extraction, SC Type	Black
OF-SC-KEY-B	18268-0054	Key (Type B) Optical Fiber Patch Cords Extraction, SC Type	White
OF-SC-KEY-C	18268-0055	Key (Type C) Optical Fiber Patch Cords Extraction, SC Type	Yellow
OF-SC-KEY-D	18268-0056	Key (Type D) Optical Fiber Patch Cords Extraction, SC Type	Red
OF-LC-KEY-E	18268-0057	Key (Type A) Optical Fiber Patch Cords Extraction, LC Type	Red
OF-LC-KEY-F	18268-0058	Key (Type B) Optical Fiber Patch Cords Extraction, LC Type	Green
OF-LC-KEY-G	18268-0059	Key (Type C) Optical Fiber Patch Cords Extraction, LC Type	Yellow
OF-LC-KEY-H	18268-0060	Key (Type D) Optical Fiber Patch Cords Extraction, LC Type	Blue

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