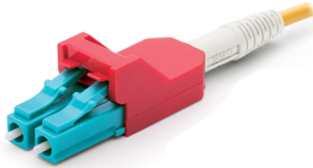OPTiFab

Secure Lock LC Connectors
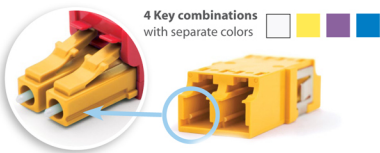
SECURE-LC Keyed offers mechanical network security for organizationsdesiring to segregate networks for privacy or security concerns. The unique adaptor lock mechanism isdesigned for preventing accidental fibre disconnection of important channel links.

The adaptor housing is moulded in one piece, giving enhanced precision, structure, and reliable performance. Used with any SECURE-LC connector.

PARAMETER	SPECIFICATION
Insertion loss	0.1dB Typical for SM UPC, SM APC, MM PC
Return loss	55dB for SM UPC, 65dB for SM APC
Lock Key Options	4 Key configuration in 4 colours Red, Yellow, Black and White
Boot / Cable option	3mm, 2mm boot Flex angle boot also available
Operating Temperature	-40°C to +75°C
Mechanical requirement	To meet and exceed GR-326 Core Issue 4

FEATURES:

• **Prevent unauthorized changes** - OPTIFAB's Secure Lock LC connectivity solution is designed to prevent unauthorized or inadvertent changes to cabling networks in highly sensitive applications such as data enters, telecom rooms, enterprise networks including financial, educational, IT and military networks, where multiple physical layer access classifications are critical

• **Secure Lock connectors offer a unique tamper proof solution** - OPTIFAB's unique 'tamper proof' Secure Lock LC connectivity solution is compatible and can be fitted to any industry-standard LC ports in active network equipment, patch panels and customer premise equipment. OPTIFAB's Secure Lock LC solution is available in Pigtail, Patchcord and Multi-fiber cable formats.

• The efficient Optifab Secure Lock LC design accommodates high density patching applications. Optifab Secure Lock products are ideal to secure physical layer control in Military and Federal networking, Video Broadcast and highly sensitive data-center markets.

• **Easy extraction with a matching colour-coded tool** - The locking SecureLockLC connectors can only be unplugged using a matching colour-coded extraction tool. These keyed tools allow automatic de-latching of the SecureLockLC connector from the port, limiting physical disturbance of adjacent live circuit connections. Access to empty or unassigned ports can be prevented with the use of similarly keyed colour coded SecureLockLC Port Blockers.

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

• Complimenting the SecureLockLC connectors, OPTIFAB also provides SecureLockLC Locking Port Plugs acting as 'locking dust caps' enabling empty LC ports to be locked out, preventing the unauthorized insertion of a cable assembly or connector. The port plugs can be disconnected in the same way as the SecureLockLC connector simply by using the appropriate keyed extraction tool.

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4 Key combinations
with separate colors

EXTENDED INFORMATION

- True locked keyed connector security
- Multiple key configurations of access control and tamper-proofing
- Compatible with all industry standard ports
- Industry standard colour coding of housings for easy identification and administration
- Blockers available for 'protecting' unused LC ports

APPLICATIONS

- FTTX bi-directional networks
- Telecom rooms & ODF's
- Secure military IT networks
- Commercial enterprise networks
- Datacenters
- Customer premise connections
- Test labs

1 Insert Extraction tool

2 Unlock and remove connector