

Tamper Proof Locking LC Duplex Cable Assemblies

Advanced Fiber Products Ltd. (AFP) is a leading designer, developer and manufacturer of optical and optoelectronic products for telecom, datacom, industrial, military, oil-and-gas, broadcast and medical markets. AFP offers a wide range of ancillary components in addition to specialized fiber assemblies for integration into complete packaging solutions. The company's facilities are located at Haverhill, near Cambridge in the United Kingdom and in Chicago, USA.

AFP's tamper proof LC cable assemblies are designed to prevent unauthorized and inadvertent changes in highly sensitive applications such as Datacenters and Secure IT networks, where multiple physical layer classifications may exist.

Assemblies use the AFP Uni-Body LC connector (patent applied), that plugs into any industry compliant LC adaptor or active interface, and can only be disconnected with a special keyed extraction tool. Eight different key configurations are available as standard options.

The extraction tools allow for easy cable assembly removal, even from very high density patch panels. The tools are color coded to match the connector key type. The connectors plug into both duplex and quad adaptors. An optional RFID tag can be embedded into the connector enabling smart connecting and asset monitoring.

The custom dust cap must be applied upon connector removal from a port, which promotes good fiber discipline.

Applications

- Military IT Networks
- Secure Federal IT Networks
- Commercial Data Centers
- Private Networks
- Industrial Process Control
- Fiber Sensor Applications
- Highest density patching where manual extraction is impossible

Features

- Secure LC locks into ports once plugged— keyed extraction tool required for removal
- 8 key combinations with separate colors
- Plugs to standard LC Duplex & Quad adaptors and transceiver interfaces
- Compact Uni-body Duplex format
- The connector boot colors designate fiber type and application
- "Administrator key" option
- Dust cap "discipline" feature



Secure LC Patent Application No.0903326.7

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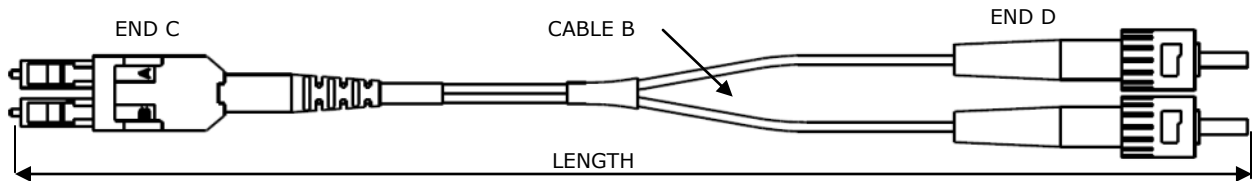
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AFP Cable Assemblies are fully tested, certified and manufactured using the highest quality Riser Rated (UL OFNR/CSA FT- 4) cable. Other cable types are available on request.

LC to LC duplex cables use 3mm diameter mini-duplex round cable to minimize cable volume. Hybrid cables use 1.6 mm sub-diameter mini fig 8 cables.

Cable Assembly Ordering Codes



AFP Part No. 00 – B – C – D – E

B

01 = MM 50/125 duplex cable DFX OM2 (Orange)

02 = MM 50/125 10GbE duplex cable DFX OM3 (Aqua)

03 = MM 62.5/125 duplex cable DFX OM1 (Orange)

04 = SM 9/125 bend insensitive duplex cable DFX BIFO (Yellow)

05 = MM 50/125 duplex cable fig 8 OM2 (Orange)

06 = MM 50/125 10GbE duplex cable fig 8 OM3 (Aqua)

07 = MM 62.5/125 duplex cable fig 8 OM1 (Orange)

08 = SM 9/125 bend insensitive duplex cable fig 8 BIFO (Yellow)

09 = MM 50/125 10GbE duplex cable DFX OM4 (Aqua)

10 = MM 50/125 10GbE duplex cable fig 8 OM4 (Aqua)

C

12 = SLC Black

13 = SLC Red

14 = SLC Green

15 = SLC Blue

16 = SLC Grey

17 = SLC White

18 = SLC Orange

19 = SLC Yellow

D

12 = SLC Black

13 = SLC Red

14 = SLC Green

15 = SLC Blue

16 = SLC Grey

17 = SLC White

18 = SLC Orange

19 = SLC Yellow

20 = MT-RJ

30 = SC

40 = ST

50 = MU hybrid

E

Cable length including unit of measure.

For example:

0.5M (Meters)

0.5FT (Feet)

Example:

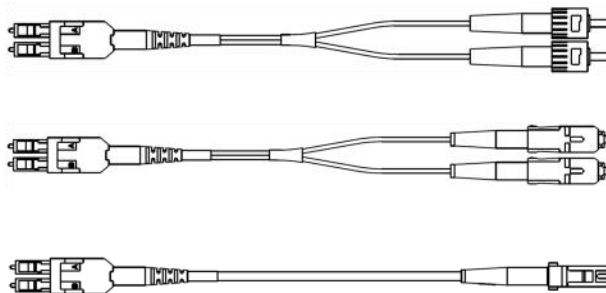
AFP part No: 00-01-13-20-1M

= Red Secure LC to MT-RJ

on 1m of 50/125 duplex cable.

Please note: The fiber type will denote the Secure LC boot colour, i.e. 10GbE = Aqua, 62.5/125 = Black, 50/125 = Beige, 9/125 SM = Blue

LC Key /Housing Color	Extraction Tool Part No.
Black	T0010121-12
Red	T0010121-13
Green	T0010121-14
Blue	T0010121-15
Grey	T0010121-16
White	T0010121-17
Orange	T0010121-18
Yellow	T0010121-19



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RoHS Directive Compliant. Conforms to GR-326. Flammability: UL 94 V-0 Grade

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