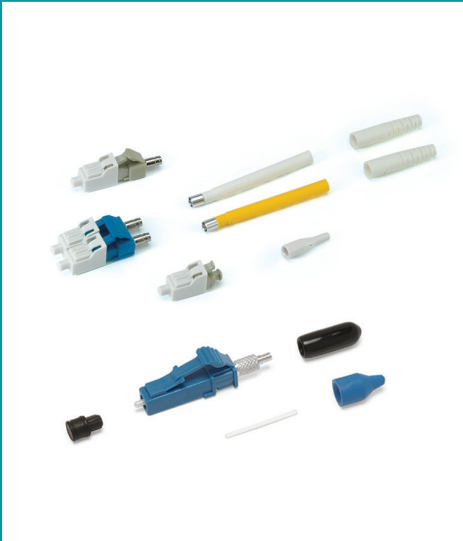


SYSTIMAX[®] Fiber Optic LC Connectors

EZ-LC and Qwik-LC Connectors[®]



Top: EZ-LC Connector
Bottom: Qwik-LC Connector

Applications

- High speed applications such as 10 Gigabit Ethernet
- Multimode and single-mode
- Central offices, Local Area Networks (LAN), computer backplane connections, computer peripheral interconnections

SYSTIMAX[®] offers a complete line of field terminated Anaerobic (EZ-LC) and no-epoxy, no-polish (Qwik-LC) Connectors[®]. Both types of connectors are designed for quick, easy and reliable terminations with minimum training.

The EZ-LC Connector[®] is a small form factor connector that is half the size of ST or SC connectors, yet has superior optical performance and reduced installation time. It uses the familiar insertion release mechanism similar to an RJ-45 plug and has a pull-proof design. The EZ-LC Connector[®] allows engineers to design optical fiber infrastructures suited to the low loss needs of the High-Speed Data Networks. The EZ-LC connector[®] offers a complete connection solution with a product range designed for field termination onto 900 micron fiber, 1.6 mm fiber cordage, multimode and single-mode fiber.

The Qwik-LC Connectors[®] are no-epoxy, no-polish connectors that feature a mechanical crimp making fiber terminations faster and easier than typical epoxy terminations. The Qwik-LC Connector[™] is ideal for behind the wall (BTW) applications; rapid repairs or for limited space situations where polishing may be difficult. The Qwik-LC offers a quick and repeatable termination solution for immediate connectivity on all 900µm fiber types.

Features and Benefits:

EZ-LC Connector[®]

- Performance exceeds ANSI/TIA/EIA-568-B standard
- Superior insertion loss performance
- Designed to allow for simple and speedy termination of the connector onto 900 micron buffered fiber or 1.6 mm cordage

Qwik-LC Connector[®]

- Performance exceeds ANSI/TIA/EIA-568-B standard
- Complete tool kit with cleaning solution, wipes, and scrap fiber container designed for Qwik setup and tear-down and comes packaged in a 25 counter installer pack that is portable and convenient
- The benefits of this product are further complimented by being the same overall size of the standard epoxy/polish LC products

EZ-LC CONNECTORS®

PHYSICAL SPECIFICATIONS:

Length:	1.25 in (3.18 cm) for 900µm buffer application
Tip:	Ceramic

OPTICAL SPECIFICATIONS

Multimode: Typical Loss:	0.2 dB
Single-mode: Typical Loss:	0.2 dB
Insertion Loss Change:	<0.3 dB Mating durability for 500 reconnect <0.3 dB Temperature stability -14°F to 140°F (-10°C to 60°C)
Cable Retention:	2 lbs for buffered fiber, 10 lbs for 1.6 mm cordage

ORDERING INFORMATION

Material ID	Product Number	Description	Fiber Type	Housing/ Boot Color	Qty/Pkg
760034181	P1001A-Z-125R	BTW LC Connector for 900µm Buffered Fiber, Pre-radiused	MM	Beige/White	1
760034199	P1101A-Z-125R	BTW LC Connector for 900µm Buffered Fiber, Pre-radiused	SM	Blue/White	1
760031401	P1101A-Z-125R/100	BTW LC Connector for 900µm Buffered Fiber, Pre-radiused	SM	Blue/White	100
760034157	P1002A-Z-125R	LC Connector for 1.6 mm Cordage Duplex, Pre-radiused	MM	Beige/White	1
760034165	P1002A-Z-125R/100	LC Connector for 1.6 mm Cordage Duplex, Pre-radiused	MM	Blue/White	100
760034173	P1100A-Z-125R	LC Connector for 1.6 mm Cordage Simplex, Pre-radiused	SM	Blue/White	1
700005838	1032H	Mini EZ-LC Tool Kit	N/A	N/A	1
760066720	KIT-C-UNIV-M-100	Universal Consumable Kit	MM	N/A	1
760066738	KIT-C-UNIV-S-100	Universal Consumable Kit	SM	N/A	1

QWIK-LC CONNECTORS®

PHYSICAL SPECIFICATIONS:

Length:	1.25 in (3.18 cm)
Tip:	Ceramic

OPTICAL SPECIFICATIONS

Multimode: Typical Loss:	0.3 dB
Single-mode: Typical Loss:	0.3 dB
Insertion Loss Change:	<0.3 dB Mating durability for 500 reconnect <0.3 dB Temperature stability -14°F to 140°F (-10°C to 60°C)
Cable Retention:	>0.5 lbs for buffered fiber

ORDERING INFORMATION

Material ID	Product Number	Description	Fiber Type	Housing/ Boot Color	Qty/Pkg
760070581	QK-LC-BTW-LS-25PK	Qwik-LC, BTW, LS 50/125, INSTALLER PACK (25)	MM	Beige/Aqua	25
760070599	QK-LC-BTW-MM-25PK	Qwik-LC, BTW, MM 62.5/125, INSTALLER PACK (25)	MM	Beige/Beige	25
760070565	QK-LC-BTW-SM-25PK	Qwik-LC, BTW, SM, INSTALLER PACK (25)	SM	Blue/Blue	25

For purposes of determining topology limits for applications support and attenuation limits for link loss, each Qwik-LC plug adds one splice to the connection. Two cases are possible. 1) When mating a Qwik-LC plug to an adhesive-type (i.e. epoxy or EZ) plug, the resultant joint is counted as one connection plus one splice. 2) When mating a Qwik-LC plug to another Qwik-LC plug, the resultant joint is counted as one connection plus two splices.



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