

SYSTIMAX® Solutions Fiber Optic LC Connectors

EZ-LC and Qwik-LC Connectors™

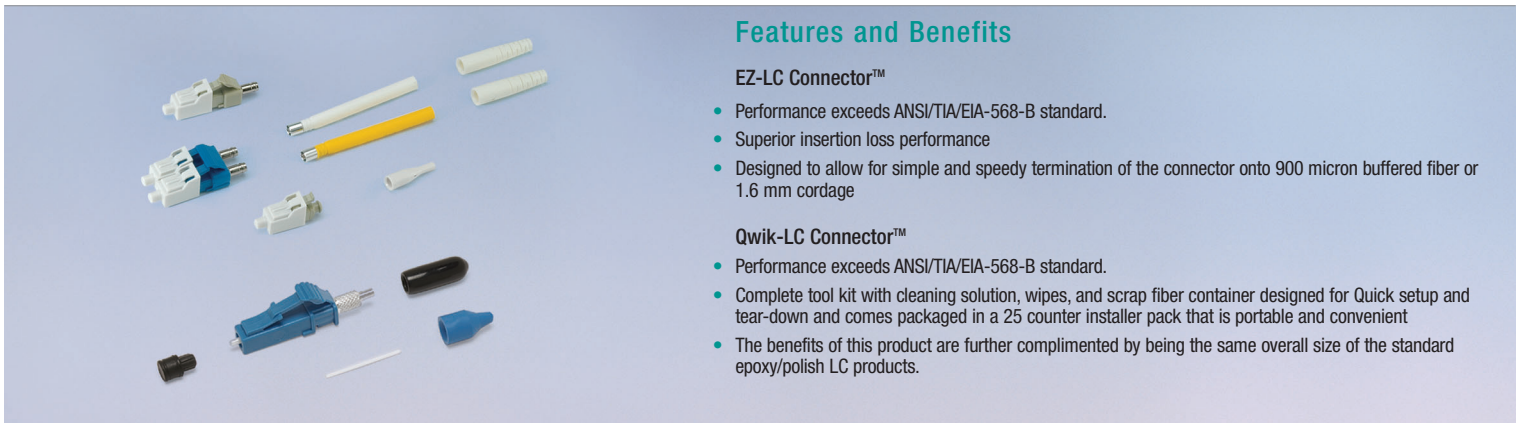
SYSTIMAX® Solutions offers a complete line of field terminated Anerobic (EZ-LC) and no-epoxy, no-polish (Qwik-LC) Connectors™. Both types of connectors are designed for quick, easy and reliable terminations with minimum training.

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

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 Quick 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.

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

EZ-LC Connectors™

Physical Specifications

Description

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

Optical Specifications

Description

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	Detailed Description	Fiber Type	Housing/ Boot Color	Qty/Pkg
760034181	P1001A-Z-125R	BTW LC Connector, Pre-radiused, for 900µm Buffered Fiber	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
760005838	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

Description

Length:	1.25 in (3.18 cm)
Tip:	Ceramic

Optical Specifications

Description

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	Detailed 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
760070664	QK-TERM-TOOL-KIT-ALL	Qwik Master Termination Tool Kit			

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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