



Crimplok™ Connectors

Quick, easy installation and superior performance

To successfully design, install or operate today's fiber optic networks, you need components that offer speed and reliability – from the fiber itself all the way down to the connectors. That's why 3M developed a connector that combines the speed of non-adhesive connectors with the performance characteristics of epoxy and hot melt connectors. 3M™ Crimplok™ Connectors are the ideal solution for quickly making fiber connections at the desk or for emergency restoration work.

Crimplok connectors were designed to:

- Save time in installation
- Provide rugged, reliable performance, meeting or exceeding current EIA/TIA-568B.3 specifications
- Install cleanly and simply with fewer parts and tools

Saves time

Available in both SC and ST, single-mode and multimode connector versions, Crimplok connectors are faster to install than epoxy connectors since there is no set-up or curing time. Crimplok connectors do not require special heating tools or ovens, so time spent searching for electrical outlets is eliminated. Polishing the connector is also a simple process that can be performed in seconds.

Provides reliable performance

The Crimplok connector incorporates proven 3M malleable metal element fiber gripping technology. There is no fiber splice or second joint inside the connector, so there is no added attenuation at the connection.

When the conformable metal element closes, it grips a length of the fiber, eliminating fiber movement associated with other crimp-style connectors. The strength of the metallic element ensures that Crimplok connectors meet industry standards for temperature and humidity.

The plastic buffer retention insert also prevents fiber movement by gripping the buffer without crushing it when the crimp ring is crimped. On jacketed cable, the crimp ring also grips the Kevlar® strands and



3M™ Crimplok™ ST Connector Multimode



3M™ Crimplok™ SC Connector Single-mode

cable jacket to prevent the fiber connection from breaking when the cable is pulled.

The buffer retention insert and the crimp ring combine to ensure that Crimplok connectors perform extremely well and meet rigorous tensile strength requirements in building wiring applications.

Installs cleanly and simply

Preparing and installing Crimplok connectors is as simple as the concept behind them.

During installation, the fiber passes through the back end of the connector, through the metallic element and extends beyond the end of the activation tool. Pressing the activation tool locking arm closes the metal element around the fiber. It's that simple.

The few tools required for installing a Crimplok connector can be conveniently stored in a small tool pouch.

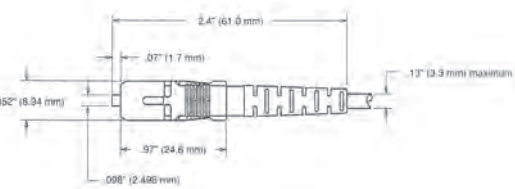
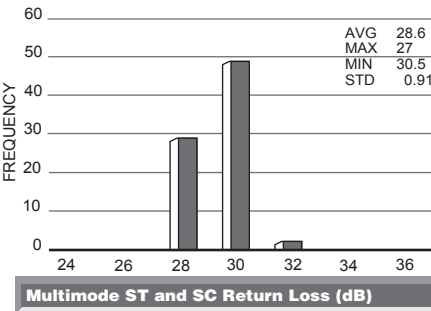
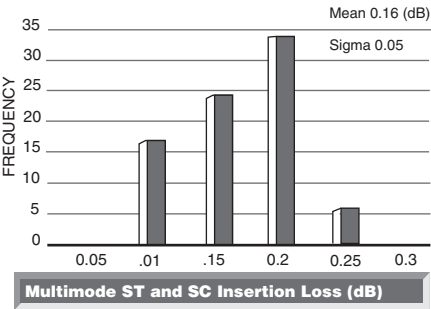
3M™ CRIMPLOK™ CONNECTORS

Features

Easy to install
Meets EIA/TIA-568A specifications
Non-adhesive design
Intermateability with standard connectors
No workstation setup required
Minimal tools required
No electricity required
Pre-riused PC zirconia ceramic ferrule

Benefits

Saves time
Rugged, reliable performance
Clean and simple terminations
Convenience, quick restoration of existing systems
Saves time and money
Low-cost kit
Installation anywhere
Assured contact of fibers; stability through temperature change; quality performance



3M™ Crimplok™ SC Connector

3M™ CRIMPLOK™ SC CONNECTOR MULTIMODE 6900

Specifications

Attenuation @ 1300 mm (dB)	<0.2 typical (62.5/125 μm fiber)
Reflection (dB)	≤-29 typical
Operational temperature (cable dependent)	-10° to 60°C (14° to 140°F)
Storage temperature (unassembled connector)	-40° to 80°C (-40° to 176°F)

Environmental

Humidity	Max loss increase < 0.20 dB; Reflection < -25 dB
Cold	Max loss increase < 0.20 dB; Reflection < -25 dB
Temperature life	Max loss increase < 0.20 dB; Reflection < -25 dB

Mechanical

Impact	Mean loss 0.18 dB; Mean reflection -28 dB
Cyclic flex	Mean loss 0.16 dB; Mean reflection -28 dB
Twist	Mean loss 0.16 dB; Mean reflection -28 dB
Cable retention	Mean loss 0.16 dB; Mean reflection -28 dB
Mating durability 500 matings	<0.22 change

Materials

Connector ferrule	Zirconia ceramic
Connector body and housing	Thermoplastic polymer
Boot	Elastomeric resin
Identification	Black body, beige shell, black boot
Fiber size	125 μm multimode
Couplings	
Housing	Engineering thermoplastic
Sleeve	Ceramic

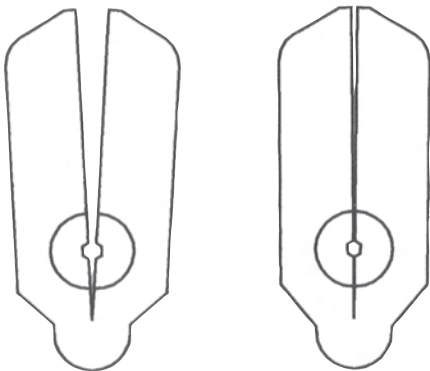
Note: Testing performed on cable assemblies with 3 mm jacketed cable and 900 μm buffered fiber.

3M™ CRIMPLOK™ ST CONNECTOR MULTIMODE 6901

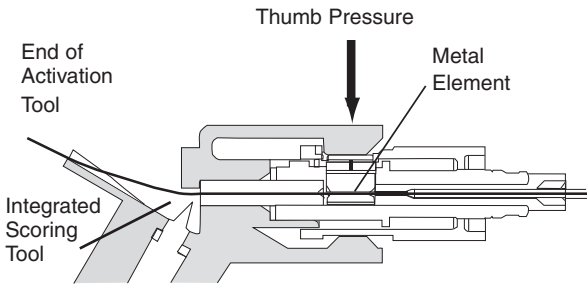
Specifications

Attenuation @ 1300 nm (dB)	<0.2 typical
Reflection (dB)	≤-29 typical
Operational temperature (cable dependent)	-10° to 60°C (14° to 140°F)
Storage temperature (unassembled connector)	-40° to 80°C (-40° to 176°F)
Environmental	
Humidity	Max loss increase < 0.20 dB; Reflection < -25 dB
Cold	Max loss increase < 0.20 dB; Reflection < -25 dB
Temperature life	Max loss increase < 0.20 dB; Reflection < -25 dB
Mechanical	
Impact	Mean loss 0.12 dB; Mean reflection -28 dB
Cyclic flex	Mean loss 0.11 dB; Mean reflection -28 dB
Twist	Mean loss 0.11 dB; Mean reflection -28 dB
Cable retention	Mean loss 0.12 dB; Mean reflection -27 dB
Mating durability 500 matings	<0.3 change
Materials	
Connector ferrule	Zirconia ceramic
Connector body and housing	Thermoplastic polymer
Boot	Elastomeric resin
Identification	Black body, beige shell, beige boot
Fiber size	125 µm multimode
Couplings	
Housing	Nickel plated zinc
Sleeve	Phosphor bronze

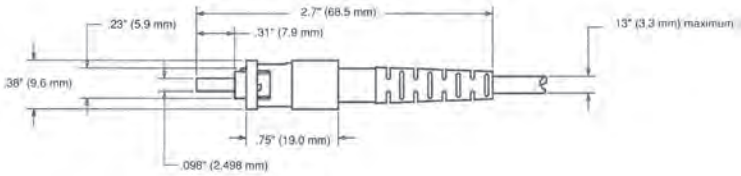
Note: Testing performed on cable assemblies with 3 mm jacketed cable and 900 µm buffered fiber.



Malleable metal element assures fiber retention and a reliable connection.



The metal element inside the connector closes around the fiber.



3M™ Crimplok™ ST Connector

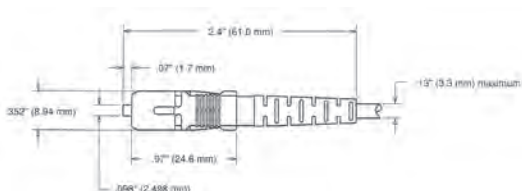
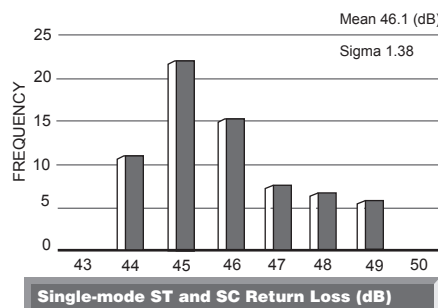
3M™ CRIMPLOK™ CONNECTORS

Features

Installation in less than two minutes
Meets EIA/TIA-568A specifications
Non-adhesive design
Intermateability with standard connectors
No workstation setup required
Minimal tools required
No electricity required
Pre-radiused PC zirconia ceramic ferrule

Benefits

Saves time
Rugged, reliable performance
Clean and simple terminations
Convenience, quick restoration of existing systems
Saves time and money
Low-cost kit
Installation anywhere
Assured contact of fibers; stability through temperature change; quality performance



3M™ Crimplok™ SC Connector

3M™ CRIMPLOK™ SC CONNECTOR SINGLE-MODE 8900

Specifications

Attenuation @ 1300 nm (dB)	<0.2 typical
Reflection (dB)	≤-40 dB typical
Operational temperature (cable dependent)	-10° to 60°C (14° to 140°F)
Storage temperature (unassembled connector)	-40° to 80°C (-40° to 176°F)

Environmental

Humidity	Max loss increase < 0.20 dB; Reflection < -40 dB
Cold	Max loss increase < 0.20 dB; Reflection < -40 dB
Temperature life	Max loss increase < 0.20 dB; Reflection < -40 dB

Mechanical

Impact	Mean loss 0.18 dB; Mean reflection -40 dB
Cyclic flex	Mean loss 0.16 dB; Mean reflection -40 dB
Twist	Mean loss 0.16 dB; Mean reflection -40 dB
Cable retention	Mean loss 0.16 dB; Mean reflection -40 dB
Mating durability 500 matings	<0.22 change

Materials

Connector ferrule	Zirconia ceramic
Connector body and housing	Thermoplastic polymer
Boot	Elastomeric resin
Identification	Black body, blue shell, black boot
Ferrule size	126 µm single-mode
Couplings	
Housing	Engineering thermoplastic
Sleeve	Zirconia Ceramic

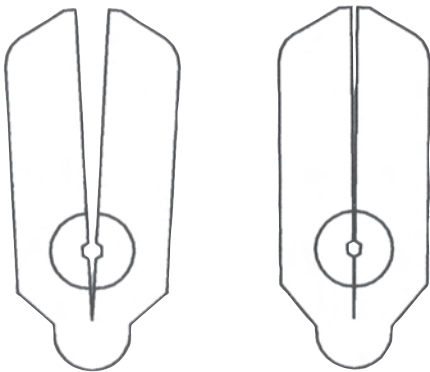
Note: Testing performed on cable assemblies with 3 mm jacketed cable and 900 µm buffered fiber.

3M™ CRIMPLOK™ ST CONNECTOR
SINGLE-MODE 8901

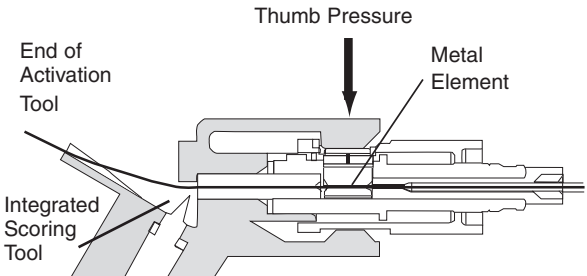
Specifications

Attenuation @ 1300 nm (dB)	<0.2 typical
Reflection (dB)	≤-40 dB typical
Operational temperature (cable dependent)	-10° to 60°C (14° to 140°F)
Storage temperature (unassembled connector)	-40° to 80°C (-40° to 176°F)
Environmental	
Humidity	Max loss increase < 0.20 dB; Reflection < -40 dB
Cold	Max loss increase < 0.20 dB; Reflection < -40 dB
Temperature life	Max loss increase < 0.20 dB; Reflection < -40 dB
Mechanical	
Impact	Mean loss 0.12 dB; Mean reflection -40 dB
Cyclic flex	Mean loss 0.11 dB; Mean reflection -40 dB
Twist	Mean loss 0.11 dB; Mean reflection -40 dB
Cable retention	Mean loss 0.12 dB; Mean reflection -40 dB
Mating durability 500 matings	<0.3 change
Materials	
Connector ferrule	Zirconia ceramic
Connector body and housing	Thermoplastic polymer
Boot	Elastomeric resin
Identification	Black body, beige bayonet cap, blue boot
Ferrule size	126 µm single-mode
Couplings	
Housing	Nickel plated zinc
Sleeve	Zirconia ceramic

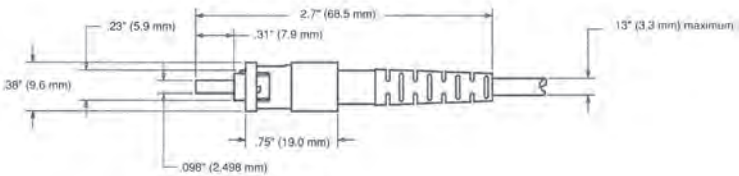
Note: Testing performed on cable assemblies with 3 mm jacketed cable and 900 µm buffered fiber.



Malleable metal element assures fiber retention and a reliable connection.



The metal element inside the connector closes around the fiber.



3M™ Crimplok™ ST Connector

3M™ CRIMPLOK™ CONNECTORS

Ordering Information

To order, specify the correct product number from the chart below. For more information, please contact your authorized 3M distributor or a 3M Communication Markets Division sales representative at 800/426 8688.

Product #	Description	Packaging Order	Minimum
6900	Crimplok Connector, SC MM, 125 µm	1/bag, 60 bags/case	60 each
6901	Crimplok Connector, ST MM, 125 µm	1/bag, 60 bags/case	60 each
8900	Crimplok Connector, SC SM, 126 µm	1/bag, 60 bags/case	60 each
8901	Crimplok Connector, ST SM, 126 µm	1/bag, 60 bags/case	60 each
6900-1K-S	Crimplok Connector, SC MM, 125 µm	1/bag, 1000 bags/case	1000 each
6901-1K-S	Crimplok Connector, ST MM, 125 µm	1/bag, 1000 bags/case	1000 each
8900-1K-S	Crimplok Connector, SC SM, 126 µm	1/bag, 1000 bags/case	1000 each
8901-1K-S	Crimplok Connector, ST SM, 126 µm	1/bag, 1000 bags/case	1000 each
6955	Crimplok Termination Kit	1/case	1 each
6955-P	Polishing Tool	1/case	1 each
6955-T	Activation Tool, ST/SC	1/case	1 each
6112	ST Multimode Simplex Coupling	1/bag, 60 bags/case	60 each
6113	ST Multimode Duplex Coupling	1/bag, 60 bags/case	60 each
6310	SC Multimode Simplex Coupling	1/bag, 60 bags/case	60 each
6313	SC Multimode Duplex Coupling	1/bag, 60 bags/case	60 each
8113	ST Single-mode Duplex Coupling	1/bag, 60 bags/case	60 each
8119	ST Single-mode Simplex Coupling	1/bag, 60 bags/case	60 each
8310	SC Single-mode Simplex Coupling	1/bag, 60 bags/case	60 each
8313	SC Single-mode Duplex Coupling	1/bag, 60 bags/case	60 each



3M™ Crimplok™ Activation Tool 6955-T



3M™ Crimplok™ Termination Kit 6955



Tools for the Crimplok Connector are stored in a small tool pouch.



3M and Crimplok are trademarks of 3M Company. All other trademarks used herein are trademarks of their respective owners. Kevlar is a registered trademark of E.I. DuPont DeNemours & Co.

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements

contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of 12 months from the time of purchase. 3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR

A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether indirect, special, incidental or consequential regardless of the legal theory asserted.



Communication Markets Division 3M Telecommunications

6801 River Place Blvd.
Austin, TX 78726-9000
800/426 8688
Fax 800/626 0329
www.3MTelecommunications.com

Please recycle

Litho in USA.
© 3M 2007 80-6113-1573-2

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru

www.lifeelectronics.ru