

3M Dynatel 6850 Specs

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3M™ Fiber Interconnect Solutions



High Performance Fiber Connections

3M



The future is fiber.

And 3M fiber interconnect solutions are leading the way.

A complete family of high-performance products.

3M meets the increasing demand for speed and reliability with a wide variety of innovative solutions. Choose from a broad range of ferruled fiber connectors and couplings, mechanical splices, cable assemblies and accessories designed for the interconnection of fiber optic networks. 3M provides a full line of singlemode and multimode LC, SC, ST and FC connectors. 3M™ Hot Melt Connectors, 3M™ Crimplok™ Connectors and 3M™ No Polish Connectors are very popular among contractors and installers because of their reliability and ease of use. The 3M™ Fibrlok™ Optical Splice

is one of the leading mechanical splices and is now specified in fiber-to-the-home projects as a substitute for fusion splicing. Develop a high-performance network with 3M fiber interconnect solutions.

Connect with 3M experience.

With more than 70 years of adhesive expertise, 40 years of ceramic technology leadership, 30 years of fiber optic experience, and 100 years of cumulative telecom experience, 3M provides a unique offering of convenient, reliable and easy-to-install connectors for fiber networks.



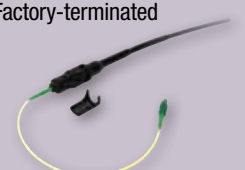

A full line of products from a full-service company.

3M is an innovation company. Our products, systems and services are optimized for constructing and rehabilitating networks for faster, more reliable performance. That means delivering products that conform to industry standards and that are as reliable as they are intermateable. 3M maintains a strong reputation for service by collaborating with other industry leaders to develop meaningful goals and standards. We strive to exceed those standards in everything we do.



Selecting the Right Connector or Splice

The first step in the selection process is to determine whether a field installable connector or a mechanical splice will best meet your needs.

		Pros	Cons
Splice	Mechanical 	Fast installation Low tooling cost Easy to use	Higher part cost Slightly higher loss No field testing
	Fusion 	Low insertion loss and reflection Low material cost	High equipment cost Requires power Higher skill level required
Connector	Factory-terminated 	No tooling required Very easy to install Plug-n-play	Higher cost Cable management issue Replacement of damaged connectors
	Field-terminated 	Custom cable installation Low inventory costs Easy to install Lower material costs	Slightly higher loss Tooling required Some skill required

3M™ Field Installable Connectors

3M offers a complete line of fiber connectors with ceramic ferrules. Our 3M™ Hot Melt Connectors, 3M™ Crimplok™ Connectors and 3M™ No Polish Connectors (NPCs) are popular among contractors because of their reliability and ease of use. 3M field installable connectors maximize termination yield through ease of mounting and high performance installation tools. 3M field installable connectors are available in SC, ST and FC product families as well as our new LC connector. 3M also provides field installable FC-APC, SC-APC and LC-APC angle polish connectors.



3M™ Fiber Connector Family

Fiber Connector Selection Charts

3M Connector	LC		SC		ST		FC	
	250/900 μm	Jacketed	250/900 μm	Jacketed	250/900 μm	Jacketed	250/900 μm	Jacketed
No Polish	✓		✓					
Hot Melt	✓	✓	✓	✓	✓	✓	✓	✓
Crimplok			✓	✓	✓	✓		
Epoxy			✓	✓	✓	✓	✓	✓

3M Connector	Installation Method	Performance*	Application	Recommended connectors installed per location†	Tools Required	Tool Price	Connector Price	Training Required
No Polish	Mechanical splice with gel/ no field polish	Outdoor wide temperature range	Service provider/ enterprise cabling	Less than 10	Quality cleaver/ Install tool provided	\$\$\$	\$\$\$	\$
Hot Melt	Pre-loaded adhesive/ field polish	Controlled environment	Enterprise cabling	Greater than 10	Electric oven/ polish tools	\$\$\$	\$\$	\$\$
Crimplok	Crimp and field polish	Controlled environment	Enterprise cabling	Less than 10	Scribe and actuator/ polish tools	\$\$	\$\$	\$\$
Epoxy (2-part)	Field inject adhesive/ field polish	Outdoor wide temperature range	Cable assembly house	Greater than 100	Adhesive syringe/ polish tools	\$\$	\$	\$\$\$
Epoxy (Anaerobic)	Field inject adhesive/ field polish	Controlled environment	Enterprise cabling	Greater than 10	Adhesive syringe/ polish tools	\$\$	\$	\$\$\$

* Outdoor wide temperature range meets Telcordia standards of -40°C to 75°C (-40°F to 167°F). Controlled environment meets TIA 568B.3 requirements for structured cabling.

† 3M™ No Polish Connectors and 3M™ Crimplok™ Connectors use mechanical technology that is quick to set up to install a few connectors. 3M™ Hot Melt Connectors and 3M™ Epoxy Connectors installation processes are optimal for a larger number of connectors installed at one location.



3M™ No Polish SC Connector Family



3M™ No Polish LC Connector Family

3M™ No Polish Connectors (NPC)

3M No Polish Connectors help enable fast, on-site installation of 250 μm and 900 μm singlemode and multimode fiber utilizing a one piece, pre-assembled design that eliminates field polishing and loose parts. It is ideal for FTTP drop terminations as well as LAN structured cabling backbone, and fiber-to-the-enclosure applications. With a factory-polished ferrule assembly and a mechanical splice, the connector can be quickly installed — without electrical power — using a simple field tool that is included in every box of 60 connectors.

For superior mechanical performance, the NPC has internal gripping elements for the strain relief of the 900 μm buffer along with a unique, bell-shaped boot. The boot is attached to the connector body, minimizing the chance of losing or forgetting to install it during the termination process. After the installation, the boot keeps the fiber from kinking, even during side pull.

3M™ No Polish Connector SC/APC and LC/APC provides fast, on-site installation of 250 μm and 900 μm singlemode fiber. The SC/APC and LC/APC compatible connectors are available with a standard, flat splice configuration or with a keyed, angle splice for excellent back reflection of <-60 dB across temperature extremes.

Features and Benefits

3M™ No Polish LC and SC Connectors	
Field installation	Always right cable length with no cable slack to store
One piece, pre-assembled design	No small, loose parts
Simple assembly tool	Fast, easy installation
900 μm buffer strain relief	Excellent pull out strength
Fiber holder for assembly	Designed to eliminate the need to touch bare fiber
Factory-polished fiber stub in ferrule	No on-site polish or adhesives required
Bell-shaped boot	Helps prevent fiber from bending below minimum bend radius
Keyed, angle cleave splice for APC	Low reflection, <-60 dB across temperature extremes



3M™ No Polish Connector LC Series Specifications

Connector Type	Multimode			Singlemode		
	LC	LC	LC	LC	LC/APC	LC/APC
Product Number	6830-50	6830-50LOMMF	6830-62.5	8830	8830-APC/FS	8830-APC/AS
Applications	Data	Data	Data	Data, IPTV	Data, IPTV	Data, IPTV, Analog TV
Shell color	Black	Aqua	Beige	Blue	Green	Green
Boot color	White	White	White	White	White	Green
Fiber type	50 µm MM	50 µm 10 Gig MM	62.5µm MM	SM	SM	SM
Cleave	Flat	Flat	Flat	Flat	Flat	Angle
Assembly tool	8835-AT	8835-AT	8835-AT	8835-AT	8835-AT	8835-AT
Insertion loss (dB) Typical	0.1	0.1	0.1	0.3	0.3	0.3
Reflection (dB) Typical at room temp 23°C (73°F)	<-25	<-25	<-25	<-40	<-55	<-65
Reflection (dB) Max at -40°C to 75°C (-40°F to 167°F)	<-20	<-20	<-20	<-35	<-35	<-60
Connector durability	<0.2 dB after 500 matings	<0.2 dB after 500 matings	<0.2 dB after 500 matings	<0.2 dB after 200 matings	<0.2 dB after 100 matings	<0.2 dB after 100 matings
Operating temperature Connector only (cable dependent)	-40°C to 75°C (-40 to 167°F)	-40°C to 75°C (-40 to 167°F)	-40°C to 75°C (-40 to 167°F)	-40°C to 75°C (-40 to 167°F)	-40°C to 75°C (-40 to 167°F)	-40°C to 75°C (-40 to 167°F)
Storage temperature	-40°C to 85°C (-40 to 185°F)	-40°C to 85°C (-40 to 185°F)	-40°C to 85°C (-40 to 185°F)	-40°C to 85°C (-40 to 185°F)	-40°C to 85°C (-40 to 185°F)	-40°C to 85°C (-40 to 185°F)
Cable tension Straight pull	<0.1 dB increase at 4.9N (1.1lb) for 900 µm	<0.1 dB increase at 4.9N (1.1lb) for 900 µm	<0.1 dB increase at 4.9N (1.1lb) for 900 µm	<0.5 dB increase; 4.9N (1.1lb) for 250 µm & 6.9N (1.54lb) for 900 µm*	<0.5 dB increase; 4.9N (1.1lb) for 250 µm & 6.9N (1.54lb) for 900 µm*	<0.5 dB increase; 4.9N (1.1lb) for 250 µm & 6.9N (1.54lb) for 900 µm*
Side pull	<0.1 dB increase at 4.9N (1.1lb) for 900 µm	<0.1 dB increase at 4.9N (1.1lb) for 900 µm	<0.1 dB increase at 4.9N (1.1lb) for 900 µm	<0.1 dB increase at 4.9N (1.1lb) for 900 µm	<0.1 dB increase at 4.9N (1.1lb) for 900 µm	<0.1 dB increase at 4.9N (1.1lb) for 900 µm
Material Connector ferrule	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic
Connector housing and body	Engineered resin	Engineered resin	Engineered resin	Engineered resin	Engineered resin	Engineered resin
Boot	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer
Flame retardancy	UL-94 V-0	UL-94 V-0	UL-94 V-0	UL-94 V-0	UL-94 V-0	UL-94 V-0
Field termination kit (no power needed)	8865-C	8865-C	8865-C	8865-C	8865-C	2565
Wavelengths (nm)	850, 1300	850, 1300	850, 1300	1310, 1490, 1550, 1625	1310, 1490, 1550, 1625	1310, 1490, 1550, 1625
Water immersion 43°C (109°F), 3 days	—	—	—	<0.2 dB increase after 24 hour dry time	<0.2 dB increase after 24 hour dry time	<0.2 dB increase after 24 hour dry time

*Connectors tested under load.

Note: The LC Multimode No Polish Connector meets EIA/TIA 568-B.3 and IEC requirements.

3M™ No Polish Connector SC Series Specifications

Connector Type	Multimode			Singlemode		
	SC	SC	SC	SC	SC/APC	SC/APC
Product Number	6800-50	6800-50LOMMF	6800-62.5	8800	8800-APC/FS	8800-APC/AS
Applications	Data	Data	Data	Data, IPTV	Data, IPTV	Data, IPTV, Analog TV
Shell color	Black	Aqua	Beige	Blue	Green	Green
Boot color	White	White	White	White	White	Green
Fiber type	50 μm MM	50 μm 10 Gig MM	62.5μm MM	SM	SM	SM
Cleave	Flat	Flat	Flat	Flat	Flat	Angle
Assembly tool	8865-AT	8865-AT	8865-AT	8865-AT	8865-AT	8865-AT
Insertion loss (dB) Typical	0.2	0.2	0.2	0.3	0.3	0.3
Reflection (dB) Typical at room temp 23°C (73°F)	<-30	<-30	<-25	<-40	<-55	<-65
Reflection (dB) Max at -40°C to 75°C (-40°F to 167°F)	<-20	<-20	<-20	<-35	<-35	<-60
Connector durability	<0.1 dB after 500 matings	<0.1 dB after 500 matings	<0.1 dB after 500 matings	<0.2 dB after 100 matings	<0.2 dB after 100 matings	<0.2 dB after 100 matings
Operating temperature Connector only (cable dependent)	-40°C to 75°C (-40 to 167°F)	-40°C to 75°C (-40 to 167°F)	-40°C to 75°C (-40 to 167°F)	-40°C to 75°C (-40 to 167°F)	-40°C to 75°C (-40 to 167°F)	-40°C to 75°C (-40 to 167°F)
Storage temperature	-40°C to 85°C (-40 to 185°F)	-40°C to 85°C (-40 to 185°F)	-40°C to 85°C (-40 to 185°F)	-40°C to 85°C (-40 to 185°F)	-40°C to 85°C (-40 to 185°F)	-40°C to 85°C (-40 to 185°F)
Cable tension Straight pull	<0.1 dB increase at 2.2N (0.5lb) for 900 μm	<0.1 dB increase at 2.2N (0.5lb) for 900 μm	<0.1 dB increase at 2.2N (0.5lb) for 900 μm	<0.1 dB increase; 4.9N (1.1lb) for 250μm & 6.9N (1.54lb) for 900 μm	<0.5 dB increase; 6.9N (1.54lb) for 900 μm*	<0.5 dB increase; 6.9N (1.54lb) for 900 μm*
Side pull	<0.1 dB increase at 2.2N (0.5lb) for 900 μm	<0.1 dB increase at 2.2N (0.5lb) for 900 μm	<0.1 dB increase at 2.2N (0.5lb) for 900 μm	<0.5 dB increase; 2.2N (0.5lb) for 900 μm*	<0.5 dB increase; 2.2N (0.5lb) for 900 μm*	<0.5 dB increase; 2.2N (0.5lb) for 900 μm*
Material Connector ferrule	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic
Connector housing and body	Engineered resin	Engineered resin	Engineered resin	Engineered resin	Engineered resin	Engineered resin
Boot	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer
Flame retardancy	UL-94 V-0	UL-94 V-0	UL-94 V-0	UL-94 V-0	UL-94 V-0	UL-94 V-0
Field termination kit (no power needed)	8865-C	8865-C	8865-C	8865-C	8865-C	2565
Wavelengths (nm)	850, 1300	850, 1300	850, 1300	1310, 1490, 1550, 1625	1310, 1490, 1550, 1625	1310, 1490, 1550, 1625
Water immersion 43°C (109°F), 3 days	—	—	—	<0.2 dB increase after 24 hour dry time	<0.2 dB increase after 24 hour dry time	<0.2 dB increase after 24 hour dry time

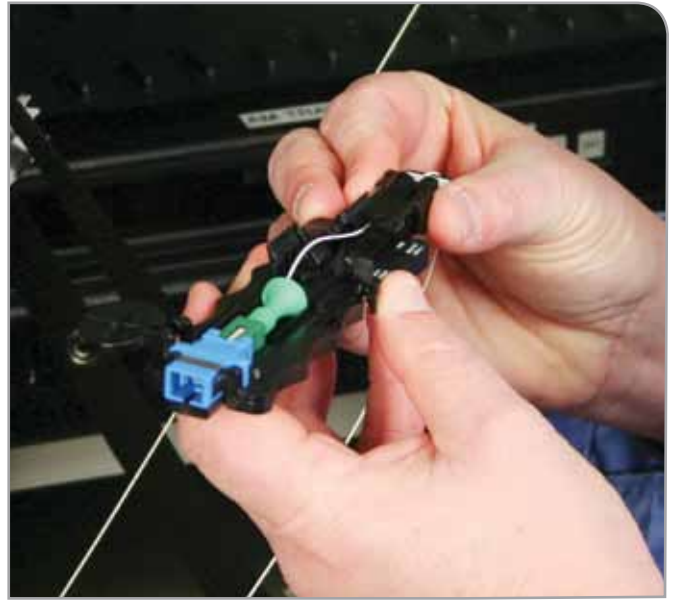
*Connectors tested under load

Note: The SC Multimode No Polish Connector meets EIA/TIA 568-B.3 and IEC requirements.

3M™ No Polish Connector Ordering Information

Product Number	Description	Packaging	Min. Order	UPC
6800-50	MM No Polish SC Connector 50 µm	1/bag, 60/carton	60 each	051115-26065
6800-50/LOMMF	MM No Polish SC Connector 50 µm laser optimized	1/bag, 60/carton	60 each	051115-26066
6800-62.5	MM No Polish SC Connector 62.5 µm	1/bag, 60/carton	60 each	051115-26067
6830-50	MM No Polish LC Connector 50 µm	1/bag, 60/carton	60 each	051115-26215
6830-50/LOMMF	MM No Polish LC Connector 50 µm laser optimized	1/bag, 60/carton	60 each	051115-26216
6830-62.5	MM No Polish LC Connector 62.5 µm	1/bag, 60/carton	60 each	051115-26217
8800	SM No Polish SC/UPC Connector	1/bag, 60/carton	60 each	051115-26064
8800-APC/AS	SM No Polish SC/APC Connector angle splice	1/bag, 60/carton	60 each	051115-26069
8800-APC/FS	SM No Polish SC/APC Connector flat splice	1/bag, 60/carton	60 each	051115-26068
8830	SM No Polish LC/UPC Connector	1/bag, 60/carton	60 each	051115-26218
8830-APC/AS	SM No Polish LC/APC Connector angle splice	1/bag, 60/carton	60 each	051115-26219
8830-APC/FS	SM No Polish LC/APC Connector flat splice	1/bag, 60/carton	60 each	051115-26220
8835-AT	No Polish LC Connector Assembly Tool	1 each	1 each	051115-26239
8865-AT	No Polish SC Connector Assembly Tool	1 each	1 each	051115-26072

Note: MM - Multimode; SM - Singlemode; LOMMF - Laser Optimized Multimode Fiber (OM3)
Every carton of 60 connectors contain the appropriate assembly tool.



Fast, onsite installation of fiber



3M™ Hot Melt Connector Specifications (continued)

Connector Type	Multimode				Singlemode			
	ST	FC	SC	LC	ST	FC	SC	LC
Product Number	6100	6200	6300	6600	8100YS	8200	8300	8600
Storage temperature	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)
Cable tension								
Straight pull	—	<0.5 dB increase at 20.5 lbs	<0.5 dB increase at 11.24 lbs.	—	—	<0.5 dB increase at 11.24 lbs.	<0.5 dB increase at 11.24 lbs.	—
Side pull	—	<0.5 dB increase at 3.0 lbs	<0.5 dB increase at 3 lbs.	—	—	<0.5 dB increase at 11.24 lbs.	<0.1 dB increase at 0.5 lbs. for 900 µm	—
Testing specifications	TIA*	TIA*	TIA*	TIA*	TIA*	TIA*	TIA*	TIA*
Material								
Connector ferrule	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic
Connector housing and body	Engineered resin	Engineered resin	Engineered resin	Engineered resin	Engineered resin	Engineered resin	Engineered resin	Engineered resin
Boot	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer
Flame retardancy	UL-94 V-0	UL-94 V-0	UL-94 V-0	UL-94 V-0	UL-94 V-0	UL-94 V-0	UL-94 V-0	UL-94 V-0
Field termination kit								
120 V	6366	6366	6366	+	6366	6366	6366	+
220 V	6362	6362	6362		6362	6362	6362	

*TIA = TIA/EIA 568-B.3; Telcordia GR-326-CORE

+ LC hot melt connectors require the 6650-LC expansion kit plus either the 6366 or 6362

3M™ Hot Melt Connector Ordering Information

Product Number	Description	Packaging	Min. Order	UPC
6100	MM Hot Melt ST ceramic, white black or red boot	1/bag, 60/carton	60 each	054007-91141
6200	MM Hot Melt FC ceramic, white boot	1/bag, 60/carton	60 each	054007-91717
6300-w	MM Hot Melt SC ceramic, white boot	1/bag, 60/carton	60 each	054007-91725
6600-S	MM Hot Melt LC simplex 900 BTW white boot	1/bag, 60/carton	60 each	051115-19027
6602-S	MM Hot Melt LC simplex 1.6-2.0 cable white boot	1/bag, 60/carton	60 each	051115-18703
6603-S	MM Hot Melt LC simplex 2.4-3.0 cable white boot	1/bag, 60/carton	60 each	051115-19028
6601-D	MM Hot Melt LC duplex 900 buffer white/beige boots	1/bag, 60/carton	60 each	051115-19029
6602-D	MM Hot Melt LC duplex 1.6-2.0 cable white/beige boots	1/bag, 60/carton	60 each	051115-18704
6603-D	MM Hot Melt LC duplex 2.4-3.0 cable white/beige boots	1/bag, 60/carton	60 each	051115-19030
6604-D	MM Hot Melt LC duplex 900 buffer red/black boots	1/bag, 60/carton	60 each	051115-19031
6605-D	MM Hot Melt LC duplex 1.6-2.0 cable red/black boots	1/bag, 60/carton	60 each	051115-19032
6606-D	MM Hot Melt LC duplex 2.4-3.0 cable red/black boots	1/bag, 60/carton	60 each	051115-19033
8100-YS	SM Hot Melt ST ceramic, yellow boot	1/bag, 60/carton	60 each	051138-36650
8200	SM Hot Melt FC ceramic, white boot	1/bag, 60/carton	60 each	051138-89062
8300	SM Hot Melt SC ceramic, white boot	1/bag, 60/carton	60 each	051138-57747
8600-S	SM Hot Melt LC simplex 900 BTW white boot	1/bag, 60/carton	60 each	051115-19034
8602-S	SM Hot Melt LC simplex 1.6-2.0 cable white boot	1/bag, 60/carton	60 each	051115-18705
8603-S	SM Hot Melt LC simplex 2.4-3.0 cable white boot	1/bag, 60/carton	60 each	051115-19035
8601-D	SM Hot Melt LC duplex 900 buffer white/beige boots	1/bag, 60/carton	60 each	051115-19036
8602-D	SM Hot Melt LC duplex 1.6-2.0 cable white/beige boots	1/bag, 60/carton	60 each	051115-18706
8603-D	SM Hot Melt LC duplex 2.4-3.0 cable white/beige boots	1/bag, 60/carton	60 each	051115-19037

Note: MM – Multimode; SM – Singlemode

3M™ Crimplok™ Connectors

Our patented 3M™ Crimplok™ Connectors need no adhesive at all, providing the speed of non-adhesive connectors with the optical performance of 3M™ Hot Melt Connectors. 3M Crimplok connectors help combine the speed of non-adhesive connectors with the performance to meet TIA 568B.3. By using proven malleable metal element fiber-gripping technology, these connectors are designed to be easily installed virtually anywhere without the need for electrical power. Termination time is less than one minute, making Crimplok connectors ideal for quick fiber connections to the desk.



3M™ Crimplok™ ST Connector

Features and Benefits

3M™ Crimplok™ SC and ST Connectors

Non-adhesive, non-splice design	Clean and simple terminations
No tool set-up required	Improved efficiency
No waiting for epoxy to cure	Termination in less than one minute with fully prepared fiber
No power or electricity required	Installation anywhere
Meets TIA/EIA 568-B.3 specifications	Rugged, reliable performance



3M™ Crimplok™ Connector Specifications

	Multimode		Singlemode	
Connector Type	SC	ST	SC	ST
Product Number	6900	6901	8900	8901
Fiber size (µm)	125	125	125	125
Insertion loss (dB) Typical field mount (one-mated pair)@ 1300 nm	<0.2	<0.2	<0.2	<0.2
Reflection (dB) Typical field mount	-27	-25	-40	-40
Connector durability (dB) Change after 500 matings	<0.2	<0.3	<0.2	<0.3
Operating temperature	-10° to 60°C (14° to 140°F)	-10° to 60°C (14° to 140°F)	-10° to 60°C (14° to 140°F)	-10° to 60°C (14° to 140°F)
Storage temperature	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)	-40° to 80°C (-40° to 176°F)	-40° to 85°C (-40° to 185°F)
Cable tension Straight pull	<0.5 dB increase at 11.24 lbs.	—	<0.5 dB increase at 11.24 lbs.	—
Side pull	<0.5 dB increase at 3 lbs.	—	<0.5 dB increase at 3 lbs.	—
Testing specifications	TIA*	TIA*	TIA*	TIA*
Material				
Connector ferrule	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic
Connector housing	Engineered resin	Thermoplastic polymer	Engineered resin	Thermoplastic polymer
Boot	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer
Flame retardancy	UL-94 V-0	UL-94 V-0	UL-94 V-0	UL-94 V-0
Connector identification	Black Body Beige Shell Black Boot	Black Body Beige Shell Beige Boot	Black Body Blue Shell Black Boot	Black Body Beige Shell Blue Boot
Field termination kit No power needed	6955	6955	6955	6955

*TIA/EIA 568-B.3

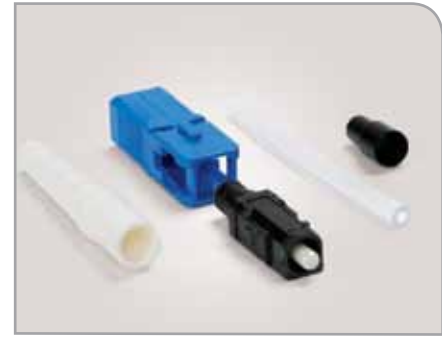
3M™ Crimplok™ Connector Ordering Information

Product Number	Connector Type	Package	Minimum Order	UPC
6900	MM Crimplok SC Connector ceramic	60/carton	60 each	054007-92815
6901	MM Crimplok ST Connector ceramic	60/carton	60 each	054007-92813
8900	SM Crimplok SC Connector ceramic	60/carton	60 each	051138-75386
8901	SM Crimplok ST Connector ceramic	60/carton	60 each	051138-75388

Note: MM - Multimode; SM - Singlemode

3M™ Epoxy Connectors

3M Epoxy Connectors feature a pre-radiused, zirconia ceramic PC ferrule designed to provide contact of fibers for low reflection and low insertion loss. The 3M epoxy SC and FC connectors are intermateable within NTT specifications. Singlemode epoxy connectors are tested to Telcordia GR-326-CORE. These connectors are built to exacting ferrule length tolerances for maximum machine polish yield and bulk packaged to maximize factory cable assembly efficiency. 3M Epoxy Connectors can also be used with an anaerobic adhesive for fast-cure interconnect applications.



3M™ Epoxy SC Connector

Features and Benefits

3M™ Epoxy SC, ST and FC Connectors

Pre-radiused PC ferrule	Fiber centered in radius; improved performance; designed to provide contact of fibers; low reflection; consistent performance; excellent transmission performance
Zirconia ceramic ferrule	Durability; stability through temperature change; quality performance; reduces reflection problems; field polish ≤ -45 dB reflection (singlemode epoxy only)
Pull-proof (independent) ferrule	Designed to maintain optical contact (FC, SC)
Intermateable with NTT specifications	Versatility; convenient global source (FC, SC)
High strength thermoplastic housing	Virtually eliminates flaking; resists corrosion (FC, SC)
Tested to Telcordia (SM) and	Rugged and reliable long-term performance (FC,SC)



3M™ Epoxy Connector Specifications

Connector Type	Multimode			Singlemode			
	SC	ST	FC	SC	ST	FC	SC & FC/APC
Product Number	6306	6105	6202	8306 8307	8106 8107	8203 8204	8306 8206/ APC
Fiber size (µm)	125	125	125	126 127	126/127	126/127	126
Insertion loss (dB) Typical field mount (one mated pair) @ 1300 nm	<0.2	<0.2	<0.2	<0.3	<0.3	<0.3	<0.2
Reflection (dB) Typical field mount	-25	-25	-25	-45	-40	-45	-65
Connection durability (dB) Change after 500 matings	<0.2	<0.2 1000 matings	<0.2	<0.2	<0.2	<0.2	<0.2
Operating temperature Connector only (cable dependent)	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)
Storage temperature	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)
Cable tension Straight pull	<0.5 dB increase at 11.24 lbs.	—	<0.5 dB increase at 20.5 lbs.	<0.5 dB increase at 11.24 lbs.	—	<0.5 dB increase at 20.5 lbs.	<0.5 dB increase at 20.5 lbs.
Side pull	<0.5 dB increase at 3 lbs.	—	<0.5 dB increase at 3 lbs.	<0.3 dB increase at 3 lbs.	—	<0.5 dB increase at 3 lbs.	<0.5 dB increase at 3 lbs.
Testing specifications	TIA*	TIA*	TIA*	Telcordia/TIA*	TIA*	Telcordia/TIA*	Telcordia/TIA*
Material Connector ferrule	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic
Connector housing & body	Engineered resin	Nickel plated zinc	Engineered resin	Engineered resin	Nickel plated zinc	Nickel plated zinc	Engineered resin
Boot	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer
Flame retardancy	UL-94 V-0	UL-94 V-0	UL-94 V-0	UL-94 V-0	UL-94 V-0	UL-94 V-0	UL-94 V-0

*Notes: TIA = TIA/EIA 568-B.3; Telcordia GR-326-CORE
 Specifications listed above based on a 2-part epoxy application.
 See “Termination Kits” section for 3M Epoxy Connector termination tools.

3M™ Epoxy Connector Ordering Information

Product Number	Connector Type	Package	Minimum Order	UPC
6306	MM Epoxy SC Connector ceramic	1/bag, 60/carton	60 each	054007-91724
6105	MM Epoxy SC Connector ceramic	1/bag, 60/carton	60 each	054007-91144
6202	MM Epoxy SC Connector ceramic	1/bag, 60/carton	60 each	054007-91716
8306/8307	SM Epoxy SC Connector ceramic	1/bag, 60/carton	60 each	054007-91722 054007-91723
8306-SC/APC	SM Epoxy SC/APC Connector ceramic	1/bag, 60/carton	60 each	051138-87051
8106/8107	SM Epoxy ST Connector ceramic	1/bag, 60/carton	60 each	054007-17772 054007-48716
8203/8204	SM Epoxy FC Connector ceramic	1/bag, 60/carton	60 each	054007-91719 054007-91720
8206-FC/APC	SM Epoxy FC/APC Connector ceramic	1/bag, 60/carton	60 each	051138-87051

Note: MM - Multimode; SM - Singlemode

3M™ Termination Kits

3M Termination Kits provide the tools and materials necessary to terminate the major fiber optic connectors in the industry today. Kits are available to meet your needs in terminating a variety of connectors.



3M™ No Polish Connector Kit 8865-C



3M™ Fiber Optic Angle Cleave Kit 2565

3M™ No Polish Connector Kits

3M™ No Polish Connector Kits 8865-C / 8865 (no cleaver) provide all the tools and materials needed to terminate singlemode and multimode SC and LC flat splice no polish connectors. The 3M™ Fiber Optic Angle Cleave Kit 2565 provides all the tools necessary to terminate 3M™ No Polish LC/APC and SC/APC angle splice connectors. The 3M™ Fibrlok™ Angle Splice Assembly Tool 2501-AS is also included to terminate 3M™ Fibrlok™ Angle Splices. Replacement parts are available.



3M™ Fiber Optic Angle Cleaver 2535

3M™ No Polish Connector Kit Ordering Information

Product Number	Description	Package	UPC
8865-C	No Polish Connector Kit with cleaver	1 kit	051115-30003
8865	No Polish Connector Kit (no cleaver)	1 kit	051115-30002
2565	Fiber optic angle cleaver kit with angle cleaver	1 kit	051115-29968

Replacement Parts for 3M™ No Polish Connector Kit

Product Number	Description	Package	UPC
8835-AT	No Polish LC Connector Assembly Tool	1 each	051115-26239
2534	Fiber Optic Cleaver	1 each	051115-30001
2535	Fiber Optic Angle Cleaver	1 each	051115-29969
8865-AT	No Polish SC Connector Assembly Tool	1 each	051115-26702
6365-ST	Stripping tool	1 each	051115-16200
6365-KS	Kevlar snips	1 each	051115-16202
05-00017	Lint free cloths	100 sheets	054007-48999

3M™ Hot Melt Termination Kits

3M™ Hot Melt Termination Kits 6366 (120V oven) and 6362 (230V oven) contain all tools and materials necessary to terminate 3M™ Hot Melt SC, ST, and FC Connectors, both singlemode and multimode. The 3M™ LC Hot Melt Expansion Kit 6650-LC is used in addition to the 6366/6362 hot melt termination kits to terminate 3M™ Hot Melt LC Connectors.



3M™ Hot Melt Termination Kits 6366 and 6362



3M™ LC Hot Melt Expansion Kit 6650-LC

Features and Benefits

3M™ Hot Melt Termination Kits

Improved microscope with oblique and coaxial lighting	Better dual view of fiber end face inspection
Roll-up tool pouch	Tools are organized and accessible
Universal hot melt holders	Fewer parts to carry, holds cable more securely
Instruction CD	Organized into video segments for quick reference

3M™ Hot Melt Termination Kit Ordering Information

Product Number	Description	MOQ	PKG.	UPC
6366	Hot Melt Termination Kit for ST, FC, SC Hot Melt Connectors, 120V	1	1 each	051115-260414
6362	Hot Melt Termination Kit for ST, FC, SC Hot Melt Connectors, 230V	1	1 each	051115-260407
6650-LC	LC Hot Melt Expansion Kit	1	1 each	051115-18707

3M™ Hot Melt Accessories Ordering Information

Product Number	Description	MOQ	PKG.	UPC
6365-CC	Hot Melt Consumable Kit for ST, SC, FC Lapping film, 2 µm (254X) Lapping film, (263X) final polish Lint free cloth tub 8892 Universal Polishing Jig	1	1 each 200 sheets 50 sheets 200 sheets 1 each	051115-16192 054007-48999 051138-70888
6191	Hot Melt Cooling Stand	1	1 each	054007-68729
6650-LS	LC Lapping Film Singlemode Consumable Kit (polishes 400 connectors) Lapping film, 9 µm (461X) Lapping film, 2 µm (254X) Lapping film, 0.5 µm (661X) Lapping film, final polish (863XW)		1 each 20 sheets 100 sheets 40 sheets 80 sheets	051115-19070 051115-15605
6650-LM	LC Lapping Film Multimode Consumable Kit (polishes 400 connectors) Lapping film, 9 µm (461X) Lapping film, 2 µm (254X)		1 each 20 sheets 100 sheets	051115-19071

3M™ Hot Melt Termination Kit 6366/6362 Kit Components

Product Number	Description	Contents QTY	Replacement MOQ	Package
6314	120V oven with cooling plate (6366 Kit)	1	1	1
6324	230V oven with cooling plate (6362 Kit)	1	1 each	1
6365-HH	Universal connector holders, ST, SC, FC	4	1 pkg	4/pkg
6365-PP	Round polishing pad	2	1 each	1
6192-A	2 µm lapping film (pale green)	200	1 each	500/pkg
863X-0.02S	Final lapping film (frosted)	20	50	50/pkg
8892	Polishing jig	2	1	1
6365-JS	Jacket stripper	1	1	1
6365-KS	Kevlar snips	1	1	1
6365-ST	Stripping tool	1	1	1
6365-CT	Crimp tool	1	1	1
6365-FS	Fiber scribe	1	1	1
6365-VS	View scope (200X)	1	1	1
6366-CW	Cleaning wipes with dispenser	100/pkg	12 pkgs	100/pkg
	120V power cord (6366 Kit)	1	—	—
	230V UK power cord (6362 Kit)	1	—	—
	230V EU power cord (6362 Kit)	1	—	—
	Pronto adhesive	1	—	—
	Alcohol bottle (empty)	1	—	—
	Water bottle (empty)	1	—	—
	Fiber scrap can	1	—	—
	Roll up pouch	1	—	—
	Fiber marking pen	1	—	—
	Stripping template	1	—	—
	Training CD ROM	1	—	—
	Quick reference guide	1	—	—
	Instructions (paper)	1	—	—

3M™ Hot Melt Auto Polisher Ordering Information

Product Number	Description	Packaging	Min. Order	UPC
6851-E	Auto Polisher 120V (for ST, SC, FC)	1 each	1	051115-29974
6892	ST holder for 6850-A Legacy Auto Polisher*	1 each	1	054117-92700
6692	LC holder for 6850-A Legacy Auto Polisher*	1 each	1	051115-21817
6392	SC holder for 6850-A Legacy Auto Polisher*	1 each	1	054007-92699
6292	FC holder for 6850-A Legacy Auto Polisher*	1 each	1	054007-92701
6192-B	Lapping film, 2 µm, with hole (254X)	500 each	1000	051144-85930

* The 3M™ Hot Melt Auto Polisher 6850-A is no longer available. The 3M™ Hot Melt Auto Polisher 6851-E is an upgrade replacement, which comes with a universal holder for ST, SC and FC connectors.



3M™ Hot Melt Polishing Machine 6851-E

3M™ Crimplok™ Termination Kit

The Crimplok Termination Kit and accessories provide all of the tools and materials to terminate 3M™ Crimplok™ Fiber Optic Connectors. Replacement parts are available.



3M™ Crimplok™ Kit 6955(components displayed)



3M™ Crimplok™ Kit 6955 (components loaded in pouch)

3M™ Crimplok™ Termination Kit Ordering Information

Product Number	Description	Package	UPC
6955	Crimplok kit	1 kit	051138-58238

3M™ Crimplok™ Accessories Ordering Information

Product Number	Product Description	Package	UPC
6955-HSC	Scoring head, Crimplok SC	1 each	051115-32325
6955-HST	Scoring head, Crimplok ST	1 each	051115-32325
05-00251	Cleaning Wires, 12 pack	12/pkg.	054007-49017

3M Crimplok Termination Kit 6955 Kit Components

Product Number	Product Description	Contents Qty.	Replacement MOQ	Package	UPC
SP-00503	Lapping film, Crimplok 2 μm (254x)	50	50	50 sheets	051115-16183
SM	Lapping film, Crimplok SM (263x)	50	50	50 sheets	051138-70908
6955-T	Activation tool, Crimplok with ST & SC scoring heads	1	1	1 each	051138-58236
6365-CT	Universal crimp tool	1	1	1 each	051138-58301
6955-P	Polishing tool, Crimplok	1	1	1 each	051138-58301
8892	Universal polishing jig	1	1	1 each	051138-87088
6365-JS	Jacket stripper	1	1	1 each	051115-16201
6365-KS	Kevlar snips	1	1	1 each	051115-16202
05-00017	Lint free cloths	100/pkg	1 pkg	100 sheets	054007-48999
	100x view scope	1	—	—	—
	Buffer stripper	1	—	—	—
	Alcohol bottle (empty)	1	—	—	—
	Water bottle (empty)	1	—	—	—
	Scotch® brand tape	1	—	—	—



3M™ Epoxy Termination Tools

3M provides connectors with zirconia ceramic ferrules for use with two-part or anaerobic epoxy.

These very high quality connectors are ideal for use in factory assembly applications or in field-mount restorations where a broad temperature range and stringent performance standards are required. The following 3M materials are available to use with common termination tools available on the market.

3M highly recommends 3M™ Epoxy 8692 which is cured at +87°C or higher for 20 minutes minimum to meet Telcordia GR-326 requirements. It is also important to use the proper syringe dispensing tip to assure proper placement of adhesives inside the connector ferrule and avoid overflow.

3M™ Epoxy SC/APC and FC/APC Connectors require the angle polishing puck included in the APC conversion kits.

3M™ Epoxy Termination Tools Ordering Information

Necessary and required for 3M connector design

Product Number	Description	Pkg.	MOQ	UPC
8692	Epoxy for fiber optic connectors	25	25	054007-91706
05-00255	Syringe, 3 cc	25	25	054007-49019
FO-25DT	Dispensing tips (green)	1 pkg of 25	1 pkg of 25	054007-92024
6365-CT	Universal crimp tool	1	1	051115-16194
8365-PP	Soft polishing pad	1	1	051115-16197
261X-5S	FO Polish film 5MIC AL OC 4.5x5.5" SHT	500	500	051144-85928
262X-1S	FO Polish film 1MIC AL OC 4.5x5.5" SHT	500	500	051144-85926
661X-1.5S	FO Polish film 1.5MIC diamond 4.5x5.5" SHT	25	25	051144-86359

Recommended and available for cable preparation and connector finish

Product Number	Description	Pkg.	MOQ	UPC
8892	Universal polishing jig	1	1	051138-87088
6365-FS	Carbide fiber scribe	1	1	051115-32325
6365-KS	Kevlar snips	1	1	051115-16202
6365-ST	Stripping tool	1	1	051115-16200
6365-VS	200x view scope	1	1	051115-16199
6366-CW	Cleaning wipes with dispenser	12	12	051115-26060
05-00017	Lint free cloths 100-pack	1	1	054007-48999



3M™ Fibrlok™ Optical Splice System

The 3M™ Fibrlok™ Optical Splice is one of the leading mechanical splices and is now specified in fiber-to-the-premises projects as a substitute for fusion splicing. It provides a precise, simple, and low-cost method of splicing single and multiple optical fibers without any electrical power. The Fibrlok splicing system is designed to minimize the need for lengthy training, specialized skills or experience. Whether your application is aerial, buried, underground or pedestal; outside plant or inside building; Fibrlok splicing is the ideal solution.

3M™ Fibrlok™ Single Fiber Optical Splicing System 2500 Series

The 3M™ Fibrlok™ Single Fiber Optical Splicing System 2500 Series is designed to easily splice any combination of 250 or 900 micron coated fibers with inexpensive tooling and no electrical power. Fibrlok single fiber optical splices utilize a metallic splicing element held inside a molded plastic body and cap to provide a fast, permanent splice. Index matching gel at the fiber splice interface helps enable a low-loss splice that maintains transmission quality over the life of the network. Assembly of the inexpensive Fibrlok splice requires only removal of the fiber coating, cleaning and cleaving of the fiber.

3M offers three different configurations of single fiber splices to meet different application needs: Fibrlok II splicing for 250 μm or 900 μm fibers, Fibrlok 250 μm for splicing 250 μm fibers and Fibrlok II Splice/Holder which eliminates the need for a separate assembly tool by integrating the Fibrlok II splice, tool and tray together.

3M™ Fibrlok™ Multi-Fiber Optical Splicing System 2600 Series

The 3M™ Fibrlok™ Multi-fiber Optical Splicing System 2600 is designed to splice up to 12 fibers in less than five minutes. The Fibrlok multi-fiber optical splicing system uses field proven Fibrlok single splice technology to provide fast, efficient and permanent splicing of multiple optical fibers. Splices are available in 4-, 8-, and 12-fiber versions.



3M™ Fibrlok™ II Universal Optical Fiber Splice 2529

3M™ Fibrlok™ II Universal Optical Fiber Splice 2529

The 2529 optical fiber splice has successfully spliced combinations of 250 μm and 900 μm singlemode or multimode fibers for over 15 years. Utilizing the rugged, low cost 3M™ Fibrlok™ Assembly Tool 2501, the 2529 splice can be installed in most indoor or outdoor applications.



3M™ Fibrlok™ II Splice/Holder 2539

3M™ Fibrlok™ II Splice/Holder 2539

The 2539 splice/holder integrates the 3M Fibrlok II splice 2529, actuation tool, and holder all in one package. It helps enable fast, on-site installation without a separate assembly tool or splice tray. 3M™ VHB™ Tape on the bottom of the splice/holder permanently holds it at the splice location. The Fibrlok II splice/holder is also available with a pre-terminated SC/APC or SC/UPC pigtail for easy installation.



3M™ Fibrlok™ 250 μm Fiber Splice 2540G

3M™ Fibrlok™ 250 μm Fiber Splice 2540G

The 2540G splice helps enable fast, easy splicing of 250 μm singlemode and multimode fiber for most splice installations, including fiber-to-the-premises. Using the small, rugged 3M™ Fibrlok™ Assembly Tool 2504G, it can be installed in almost any environment, whether it is an aerial application or inside a building.



3M™ Fibrlok™ II Angle Fiber Splice 2529-AS

3M™ Fibrlok™ II Angle Fiber Splice 2529-AS

The 2529-AS splice was designed for the splicing of combinations of 250 μm and 900 μm fibers. The Fibrlok angle splices help enable fast, on-site installation of fiber with <-60 dB optical reflection across temperature extremes for excellent analog video transmission performance.



3M™ Fibrlok™ 250 μm Angle Fiber Splice 2540-AS

3M™ Fibrlok™ 250 μm Angle Fiber Splice 2540-AS

The 2540-AS splice specifically splices 250 μm fiber with a smaller form factor. The 2540-AS angle fiber splice helps enable fast, on-site installation with <-60 dB optical reflection across temperature extremes for excellent analog video transmission performance.

Features and Benefits

3M™ Fibrlok™ Single Fiber Optical Splices

< 0.1 dB insertion loss	High performance, permanent splices
30 second installation time	Increased productivity
Minimum tooling requirements	Low capital cost
No epoxy or electricity required	Easy on-site installation
Simple, easy to use	Minimal training, lower installed cost
Strong fiber retention	No fiber movement
Keyed, angle cleave splice	Low reflection, <-60dB across temperature extremes



3M™ Fibrlok™ Angle Splice Assembly Tool 2501-AS

3M™ Fibrlok™ Single Fiber Optical Splices Specifications

Product Number	2529/2529-AS	2539	2540G/2540-AS
Dimensions	3.8 mm x 6.4 mm x 38.1 mm (0.15" x 0.25" x 1.50")	12.9 mm x 12.0 mm x 66.0 mm (0.51" x 0.47" x 2.60")	4 mm x 4 mm x 36 mm (0.16" x 0.16" x 1.42")
Fiber diameter	125 µm	125 µm	125 µm
Coating diameter	250 or 900 µm	250 or 900 µm Tight Buffer	250 µm
Installation time	< 30 seconds after fiber preparation	< 30 seconds after fiber preparation	< 30 seconds after fiber preparation
Mean insertion loss	< 0.1 dB	< 0.1 dB	< 0.1 dB
Return loss	2529: <-40 dB Typical 2529-AS: < -60 dB	< -40 dB Typical	2540G: <-40 dB Typical 2540-AS: < -60 dB
Tensile strength	4.4N (1.0 lbf) Minimum	4.4N (1.0 lbf) Minimum	4.4N (1.0 lbf) Minimum
Operating temperature	-40°C to 75°C (-40°F to 167°F)	-40°C to 75°C (-40°F to 167°F)	-40°C to 75°C (-40°F to 167°F)
Material	Engineering thermoplastic with aluminum alloy element & index matching gel	Engineering thermoplastic with aluminum alloy element, index matching gel & VHB tape	Engineering thermoplastic with aluminum alloy element & index matching gel

3M™ Fibrlok™ Single Fiber Optical Splices Ordering Information

Product Number	Description	Packaging	Min. Order	UPC
Splices				
2529	Fibrlok II Universal Optical Fiber Splice for 250 and 900 µm fiber	6/pkg. 10 pkg/cs.	60 each	054007-92202
2529-K	Fibrlok II 2529 Splices with Assembly Tool (60 splices, one 2501 assembly tool)	1 kit/cs.	1 kit	054007-92415
2539	Fibrlok II Splice/Holder, integrated actuation tool, and holder with tape	1/pkg. 60 pkg/cs.	60 each	051115-21516
2539-SC/APC	Fibrlok II Splice/Holder with 0.75 m (30") SC/APC connector pigtail	1/pkg. 12 pkg/cs.	12 each	051115-22860
2539-SC/UPC	Fibrlok II Splice/Holder with 0.75 m (30") SC/UPC connector pigtail	1/pkg. 12 pkg/cs.	12 each	051115-22861
2540G	Fibrlok 250 µm Fiber Splice for 250 µm fiber	5/pkg. 12 pkg/cs.	60 each	051115-22685
2529-AS	Fibrlok II Angle Fiber Splice	60/package	60 each	051115-26179
2540-AS	Fibrlok 250 µm Angle Fiber Splice	60/package	60 each	051115-32313
Assembly Tools				
2501	Required for Fibrlok II 2529	1/cs.	1 each	054007-57125
2504G	Required for Fibrlok 250 µm 2540G	1/cs.	1 each	051115-22686
2501-AS	Required for Fibrloks 2529-AS and 2540-AS	1/cs.	1 each	051115-25849



3M™ Fibrlok™ Splice Kit with Cleaver 2559-C



3M™ Cleaver 2534



3M™ Fiber Optic Angle Cleaver Kit 2565 includes 3M™ Fiber Optic Angle Cleaver 2535, 3M™ Fibrlok™ Angle Splice Assembly Tool 2501-AS and all tools necessary for 3M™ Fibrlok™ Angle Splices.

3M™ Fibrlok™ Splice Kits

The 3M Fibrlok Splice Kits for flat splices are available with (2559-C) and without (2559) a fiber cleaver and contain all the materials needed to terminate 3M™ Fibrlok™ Splices whether it be a singlemode or multimode splice. Detailed instructions are provided. Also included in the kits are the 3M™ Fibrlok™ II Assembly Tool 2501 and 3M™ Fibrlok™ 250 μm Assembly Tool 2504G, simple-to-use tools designed for fast and easy installation.

The 3M™ Fibrlok™ Splice Kit 2559-C contains:

- 2501 assembly tool for 3M™ Fibrlok™ II Splice 2529
- 2504G assembly tool for 3M™ Fibrlok™ 250 μm Splice 2540G
- 3M™ Fiber Cleaver 2534 (not included in 2559 kit)
- 3M™ Fiber Stripping Tool 6365-ST
- 3M™ Kevlar Snips (scissors) 6365-KS
- Lint free cloths (100/pkg.)
- Cleaning alcohol bottle
- 3M™ Fibrlok™ II splice 2529 (6 each)
- 3M™ Fibrlok™ 250 μm 2540G (5 each)
- 3M™ Fibrlok™ II Splice/Holder 2539 (2 each)

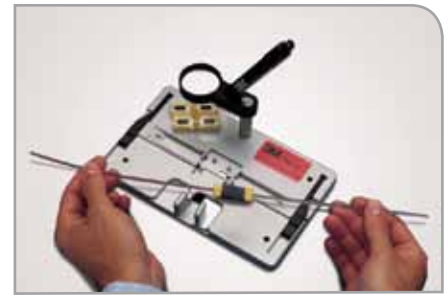
The 3M™ Fiber Optic Angle Cleaver Kit 2565 provides all the tools to terminate the 3M Fibrlok Angle Splice 2529-AS and 2540-AS. Also included in the kits are the 3M™ No Polish Connector Assembly Tools 8865-AT and 8835-AT for terminating SC and LC angle splice connectors. Replacement parts are available.

3M™ Fibrlok™ Splice Kits and Accessories Ordering Information

Product Number	Description	Packaging	Minimum Order	UPC
Kits				
2559-C	Fibrlok Splice Kit with fiber cleaver	1/cs.	1 each	051115-25801
2559	Fibrlok Splice Kit without fiber cleaver	1/cs.	1 each	051115-25800
2565	Fiber Optic Angle Cleave Kit with angle cleaver	1/cs.	1 each	051115-29968
Replacements for 3M Fibrlok Splice Kit				
2501	Assembly tool required for Fibrlok II splice 2529	1/cs.	1 each	054007-57125
2504G	Assembly tool required for Fibrlok 250 μm 2540G	1/cs.	1 each	051115-22686
2534	Fiber cleaver	1/cs.	1 each	051115-30001
6365-ST	Stripping tool	1/cs.	1 each	051115-16200
6365-KS	Kevlar snips	1/cs.	1 each	051115-16202
05-00017	Lint free cloths	100/pkg.	1 pkg.	054007-48999
2535	Fiber optic angle cleaver	1/cs.	1 each	051115-29969
2501-AS	Fibrlok Angle Splice assembly tool	1/cs.	1 each	051115-25849

3M™ Fibrlok™ Multi-Fiber Optical Splicing System 2600

The 2600 splice uses the same field-proven Fibrlok splice technology to provide fast, efficient and permanent splicing of multiple optical fibers. The Fibrlok multi-fiber splicing system consists of a consumable splice “module” and associated fiber preparation and splicing tools. Splices are available in 4-, 8-, and 12-fiber versions, for both fiber optic ribbon and “ribbonized” fibers, and can be assembled in less than five minutes. This makes the Fibrlok multi-fiber splice ideal for both new construction and cable restoration applications.



3M™ Fibrlok™ Multi-Fiber Optical Splicing System 2600

Features and Benefits

3M™ Fibrlok™ Multi-Fiber Optical Splicing System 2600

3M patented metallic splice element	High performance, permanent
Simple splice actuation tool	Fast – fiber optic splices
Minimum tooling requirements	Lowers capital costs
Requires no epoxy or electricity	Helps enable easy on-site installation
Completes splice in less than five minutes	Ideal for both new construction and cable restoration applications
Integrated fiber splice element and protective cover	Fibers aligned precisely and permanently in place

3M™ Fibrlok™ Multi-Fiber Splice Preparation Kits

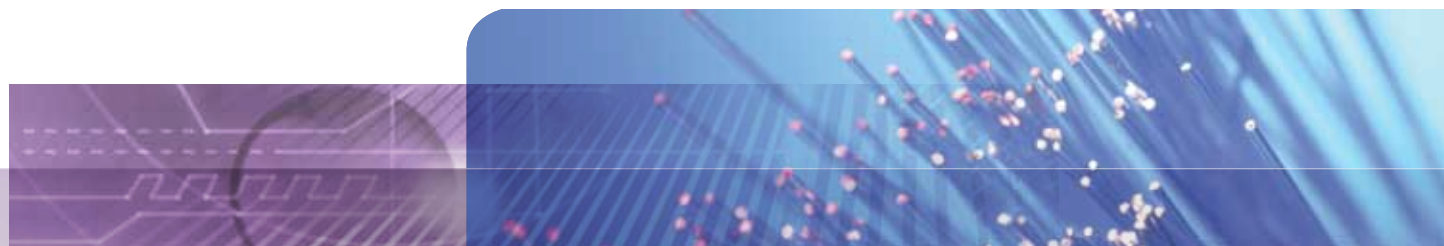
The 2600 splice preparation kit provides the components required to assemble the multi-fiber splice. The 3M™ Fibrlok™ Ribbon Construction Tool 2670 provides organization and “ribbonizing” of individual 250 µm coated fibers prior to splicing. The Fibrlok tooling is designed to minimize the required tooling investment.



3M™ Fibrlok™ Multi-Fiber Splice Preparation Kit 2600

3M™ Fibrlok™ Multi-Fiber Splice and Preparation Kit Ordering Information

Product Number	Description	Packaging	Minimum Order	UPC
2600	Fibrlok Multi-Fiber Optical Splice Prep Kit	1/cs.	1 each	051138-11588
2604	Fibrlok Multi-Fiber Optical Splice (4 fiber)	1/pkg. 12 pkg./cs.	12 each	051138-11584
2608	Fibrlok Multi-Fiber Optical Splice (8 fiber)	1/pkg. 12 pkg./cs.	12 each	054007-91616
2612	Fibrlok Multi-Fiber Optical Splice (12 fiber)	1/pkg. 12 pkg./cs.	12 each	051138-11587
2620	Multi-fiber optical splice actuator tool	1/cs.	1 each	051138-11590
2670	Multi-fiber ribbon construction tool kit	1/cs.	1 each	051138-11611
2671	Fiber optic ribbon construction tape	1000/pkg.	1 pkg.	051138-34355
2631-A	Multi-fiber stripper wall plug transformer (230v)	1/cs.	1 each	054007-91615
2635	Multi-fiber stripper tube guide (12 fiber, AT&T ASR ribbon)	1/cs.	1 each	054007-91631
2652-A	Multi-fiber cleaver spacer gauge assembly	1/cs.	1 each	054007-91620
2653	Multi-fiber holder assembly (12 fiber, AT&T ASR ribbon)	1/cs.	1 each	054007-91703
05-00017	Lint free cloths	100/pkg.	1 pkg.	054007-48999



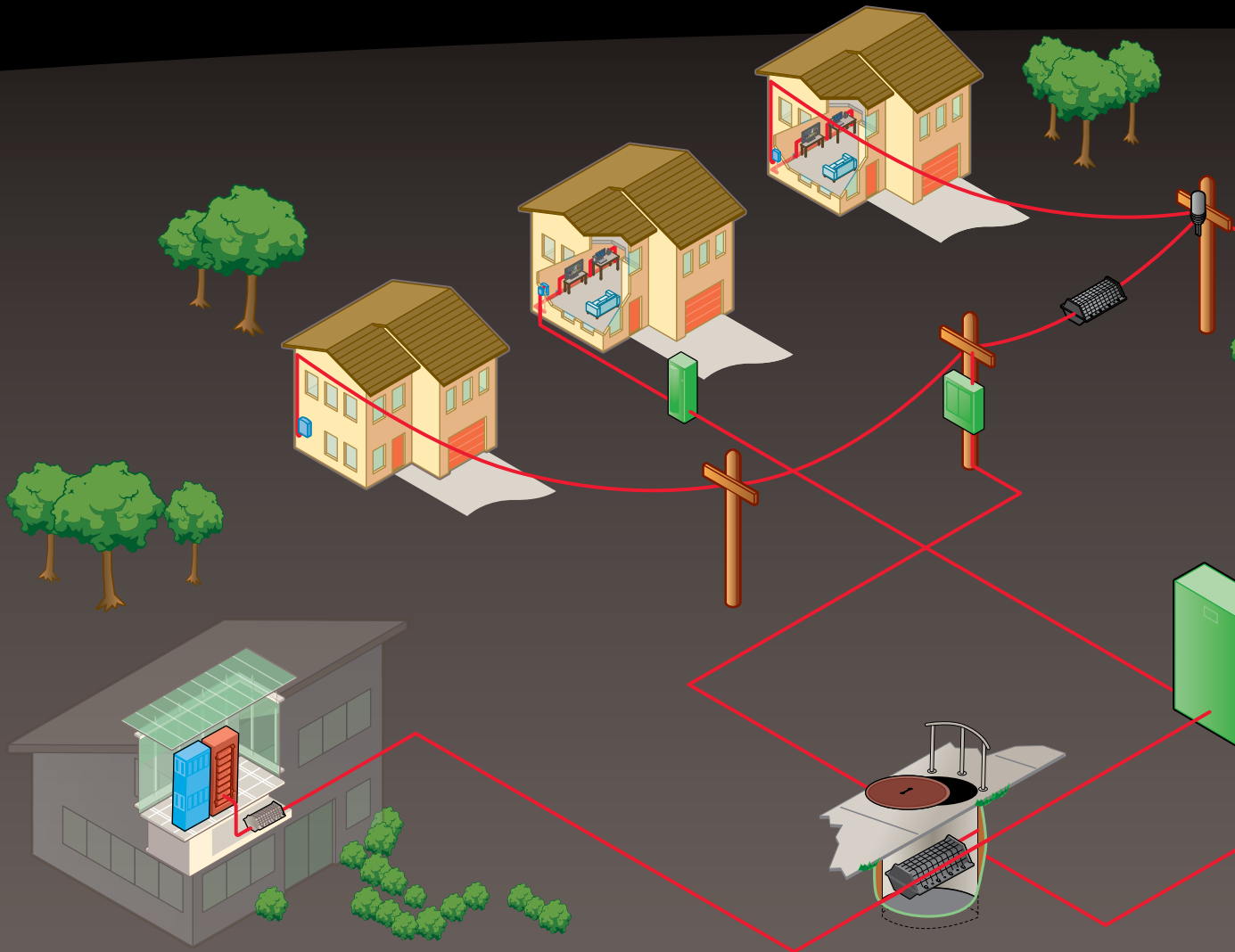
A Global, Diversified Technology Company.

For more than 100 years, 3M has developed innovative communications solutions. Today, the people of 3M use their expertise, technologies and global strength to serve the needs of customers in more than 200 countries around the world. Our commitment to innovation, creating new technologies and products, places us exactly where our customers need us, with more than 55,000 products, 30-plus core technologies and leadership in major markets worldwide.

Expertise in your application.

Today, 3M owns the physical layer including the vital last mile, providing FTTP and DSL deployments from central office to customer premises. Our proven systems optimize network testing, construction, locating and maintenance for faster, more reliable high-bandwidth transmissions. 3M products are high-quality, versatile, easy to install, and facilitate high-speed deployment – giving you a smarter total solution.

For years, customers have relied on 3M fiber optics technologies to leverage existing infrastructure or to install completely new networks. 3M continues to develop new and innovative products to extend our breadth of line, and help improve your bottom line.



3M Fiber Optic Products

Fiber Optic Splices and Connectors

- 3M™ Fiber Connector Termination Kits and Accessories
- 3M™ Hot Melt LC/SC/ST/FC Connectors
- 3M™ Crimplok™ SC/ST Connectors
- 3M™ No Polish SC/LC Connectors
- 3M™ Fibriok™ Single-Fiber Optical Splicing System 2500 Series
- 3M™ Fibriok™ Multi-Fiber Optical Splicing System 2600 Series

Fiber Optic Terminals and Closures

- 3M™ Fiber Optic Splice Closure Fiber Dome Series
- 3M™ Fiber Optic Splice Case 2178 Series
- 3M™ Fiber Optic Splice Closure 2177 Series
- 3M™ Fiber Splice Closure System LL Series
- 3M™ SLiC™ Fiber Aerial Closures and Terminals

Fiber Distribution Terminals

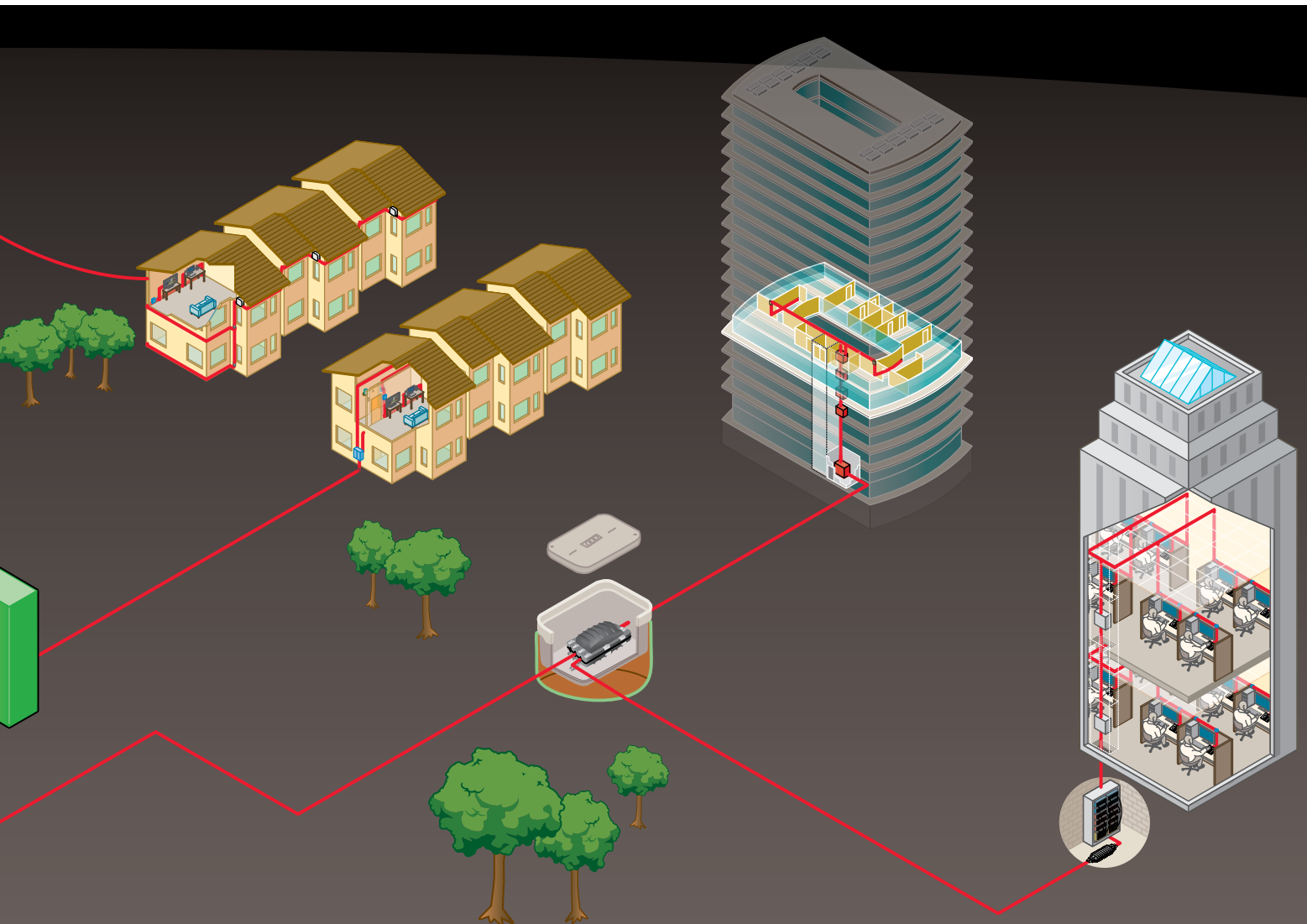
- 3M™ Mini Cable Transition Box BTI
- 3M™ Sub-Compact Cable Transition Terminal FTB-M
- 3M™ Sub-Compact Fiber Distribution Terminal PBPOC 6-12
- 3M™ Sub-Compact Fiber Distribution Box PBPO 6-12
- 3M™ Compact Fiber Distribution Box PBO-T1

Locating and Marking Products

- 3M™ Dynatel™ Locators 2200 Series
- 3M™ Dynatel™ Locators 2200M/M-iD Series
- 3M™ Dynatel™ Marker Locator 1420-iD Series
- 3M™ Electronic Marker System (EMS)

Network Accessories

- 3M™ Fire Protection Products
- 3M™ Holding and Fastening Products
- 3M™ Identification Products
- 3M™ Reflective Tape
- 3M™ ScotchCode™ Marker and Label Products
- 3M™ and Scotch® Vinyl Electrical Tapes





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Note: Product specifications and descriptions in this document are subject to change.

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Communication Markets Division 3M Telecommunications

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

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