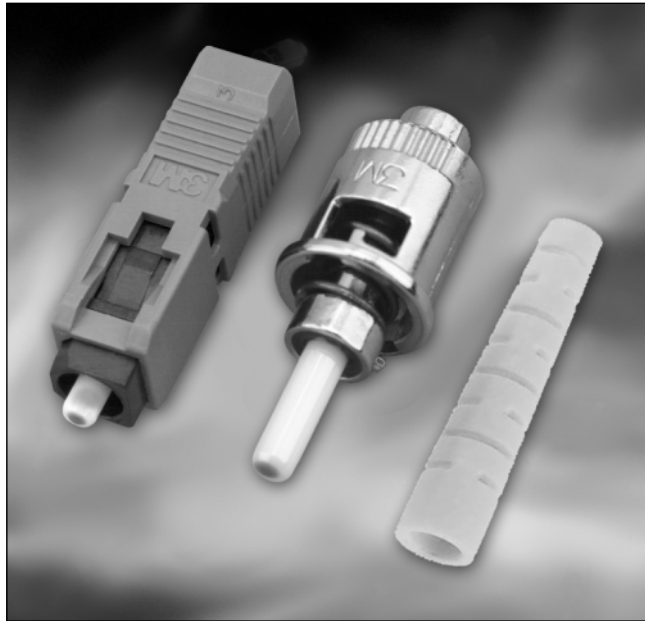




# ST, FC, SC Hot Melt Connectors for Indoor/Outdoor Applications

## Single-mode and Multimode



### **3M Hot Melt Connectors can be used in high temperature environments.**

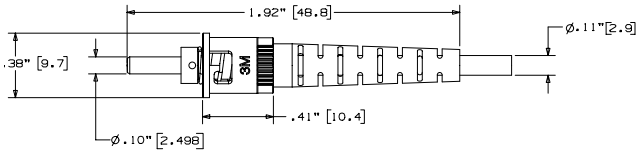
3M Hot Melt Connectors have a proven record of high performance and ease of use in local area networks around the world. These connectors are now qualified to TIA/EIA 568B standards for both indoor and outdoor use, including temperatures as high as 85°C (185°F). Drawing on 70 years of adhesive expertise and 40 years of experience in ceramic technology, 3M provides the most convenient, reliable and easy-to-install connectors on the market.

Preloaded adhesive means no syringe and no epoxy mixing is needed, saving installation time. The PC zirconia ceramic ferrule provides superior optical contact and durability. The ability to reheat and reposition fiber within the connector means virtually all connections are successful, saving time and money. And one kit provides everything needed to terminate ST, FC, and SC connectors for both single-mode and multimode applications.

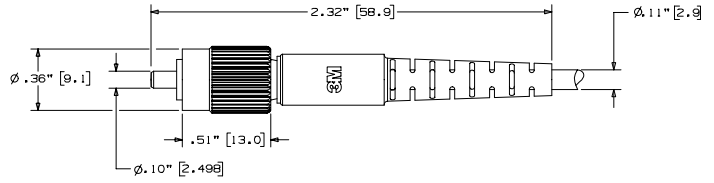
<b>Features</b>	<b>Benefits</b>
Preloaded Hot Melt adhesive	Easy to use, no epoxy to mix, fewer consumables
Terminates in less than 2 minutes	Saves time and labor
Meets TIA/EIA 568B standards for indoor and outdoor applications	Reliable performance
Reheatable adhesive allows fiber repositioning	High yield reduces waste of connectors and time
Pre-radiused PC zirconia ceramic ferrule	Assures optical contact and stability up to 85°C (185°F)
Universal Kit contains consumables for up to 400 connectors*	Eliminates confusion and lost time

\*Alcohol is not included. Connectors are sold separately.

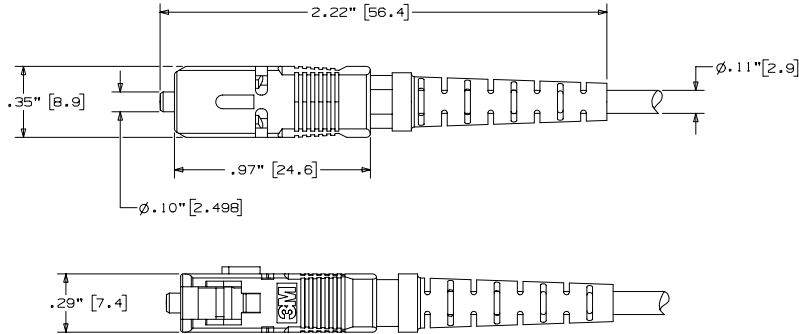
### ST Hot Melt Connector



### FC Hot Melt Connector



### SC Hot Melt Connector



## Specifications

Product Number	6100 MM ST	8100 SM ST	6200 MM FC	8200 SM FC	6300 MM SC	8300 SM SC
Operating Temperature	-40°C to +85°C (-40°F to +185°F)		-40°C to +85°C (-40°F to +185°F)		-40°C to +85°C (-40°F to +185°F)	
Attenuation*	<0.2dB typical		<0.2dB typical		<0.2dB typical	
Reflection*	-25dB typical	-40dB typical	-25dB typical	-40dB typical	-25dB typical	-40dB typical
Mating Durability (500 matings)	<0.2dB change		<0.2dB change		<0.2dB change	
Storage Temperature	-40°C to +85°C (-40°F to +185°F)		-40°C to + 85°C (-40°F to + 185°F)		-40°C to +85°C (-40°F to +185°F)	
Testing Specification	TIA/EIA 568B		TIA/EIA 568B		TIA/EIA 568B	
<b>Materials and Identification</b>						
Ferrule	Zirconia Ceramic		Zirconia Ceramic		Zirconia Ceramic	
Housing Body	Nickel plated zinc		Engineered resin		Engineered resin	
Boot	Thermoplastic elastomer		Thermoplastic elastomer		Thermoplastic elastomer	
Flame Retardancy	UL-94 V-0		UL-94 V-0		UL-94 V-0	
Adhesive	Blue dot on ferrule		Blue dot on ferrule		Blue dot on ferrule	

\*Multimode connectors tested at 850nm and 1300nm.

Single-mode connectors tested at 1310nm and 1550nm.

## Ordering Information

Model Number	Description	Packaging
<b>ST Connectors*</b>		
6100-W	ST MM Hot Melt Connector, white boot	1/bag, 60/carton
6100-B	ST MM Hot Melt Connector, black boot	1/bag, 60/carton
6100-R	ST MM Hot Melt Connector, red boot	1/bag, 60/carton
6100-W5-12	ST MM Hot Melt Connector, white boot	12/bag, 5 bags/carton
6100-B5-12	ST MM Hot Melt Connector, black boot	12/bag, 5 bags/carton
6100-R5-12	ST MM Hot Melt Connector, red boot	12/bag, 5 bags/carton
6100-W1K	ST MM Hot Melt Connector, white boot	1,000/carton
6100-B1K	ST MM Hot Melt Connector, black boot	1,000/carton
6100-R1K	ST MM Hot Melt Connector, red boot	1,000/carton
8100-YS	ST SM Hot Melt Connector, yellow boot	1/bag, 60/carton
8100-Y1K	ST SM Hot Melt Connector, yellow boot	1,000/carton
<b>FC Connectors*</b>		
6200	FC MM Hot Melt Connector, white boot	1/bag, 60/carton
8200-W	FC SM Hot Melt Connector, white boot	1/bag, 60/carton
<b>SC Connectors*</b>		
6300-W	SC MM Hot Melt Connector, white boot	1/bag, 60/carton
6300-W5-12	SC MM Hot Melt Connector, white boot	12/bag, 5 bags/carton
6300-B5-12	SC MM Hot Melt Connector, black boot	12/bag, 5 bags/carton
6300-R5-12	SC MM Hot Melt Connector, red boot	12/bag, 5 bags/carton
6300-W1K	SC MM Hot Melt Connector, white boot	1,000/carton
6300-B1K	SC MM Hot Melt Connector, black boot	1,000/carton
6300-R1K	SC MM Hot Melt Connector, red boot	1,000/carton
8300	SC SM Hot Melt Connector, white boot	1/bag, 60/carton
8300-W1K	SC SM Hot Melt Connector, white boot	1,000/carton
<b>Field Termination Kits</b>		
6355	Hot Melt Termination Kit for 3M ST, FC, SC Hot Melt Connectors,	120V
6351	Hot Melt Termination Kit for 3M ST, FC, SC Hot Melt Connectors,	230V
<b>Accessories</b>		
6850-A	One Step Polishing Machine	

\*Bulk packaging offers convenient packaging for cable assembly shops. Various color boots (red, blue, and white) and various length boots also are available in bulk.

**A complete line of ST, FC and SC couplings is available. For more information, please contact a 3M sales representative at 800-426-8688.**

## Important Notice

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40% Pre-consumer waste paper  
10% Post-consumer waste paper

Litho in USA.

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