



# 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 fibre 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.

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### **Features**

- Preloaded Hot Melt adhesive
- Terminates in less than 2 minutes
- Meets TIA/EIA 568B standards for indoor and outdoor applications
- Reheatable adhesive allows fibre repositioning
- Pre-radiused PC zirconia ceramic ferrule
- Universal Kit contains consumables for up to 400 connectors\*

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

### **Benefits**

- Easy to use, no epoxy to mix, fewer consumables
- Saves time and labor
- Reliable performance
- High yield reduces waste of connectors and time
- Assures optical contact and stability up to 85°C (185°F)
- Eliminates confusion and lost time

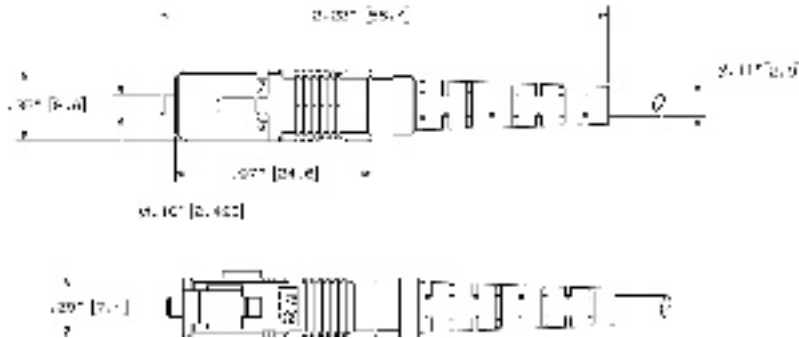
### ST Hot Melt Connector



### FC Hot Melt Connector



### SC Hot Melt Connector



## Specifications:

Ref.-No.	6100 MM ST	8100 SM ST	6200 MM FC	8200 SM FC	6300 MM SC	8300 SM SC
Operating temperature	-40° to 85° C		-40° to 85° C		-40° to 85° C	
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°C to +85°C		-40°C to +85°C	
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

## Ref.-No.

### ST Connectors\*

ST MM Hot Melt Connector, white boot	1/bag, 60/carton	6100-W
ST MM Hot Melt Connector, black boot	1/bag, 60/carton	6100-B
ST MM Hot Melt Connector, red boot	1/bag, 60/carton	6100-R
ST MM Hot Melt Connector, white boot 12/bag,	5 bags/carton	6100-W5-12
ST MM Hot Melt Connector, black boot 12/bag,	5 bags/carton	6100-B5-12
ST MM Hot Melt Connector, red boot 12/bag,	5 bags/carton	6100-R5-12
ST MM Hot Melt Connector, white boot	1,000/carton	6100-W1K
ST MM Hot Melt Connector, black boot	1,000/carton	6100-B1K
ST MM Hot Melt Connector, red boot	1,000/carton	6100-R1K
ST SM Hot Melt Connector, yellow boot	1/bag, 60/carton	8100-YS
ST SM Hot Melt Connector, yellow boot	1,000/carton	8100-Y1K

### FC Connectors\*

MM Hot Melt Connector, white boot	1/bag, 60/carton	6200 FC
FC SM Hot Melt Connector, white boot	1/bag, 60/carton	8200-W

### SC Connectors\*

SC MM Hot Melt Connector, white boot	1/bag, 60/carton	6300-W
SC MM Hot Melt Connector, white boot	12/bag, 5 bags/carton	6300-W5-12
SC MM Hot Melt Connector, black boot	12/bag, 5 bags/carton	6300-B5-12
SC MM Hot Melt Connector, red boot	12/bag, 5 bags/carton	6300-R5-12
SC MM Hot Melt Connector, white boot	1,000/carton	6300-W1K
SC MM Hot Melt Connector, black boot	1,000/carton	6300-B1K
SC MM Hot Melt Connector, red boot	1,000/carton	6300-R1K
SC SM Hot Melt Connector, white boot	1/bag, 60/carton	8300
SC SM Hot Melt Connector, white boot	1,000/carton	8300-W1K

### Field Termination Kits

Hot Melt Termination Kit for 3M ST, FC, SC Hot Melt Connectors,	120V	6355
Hot Melt Termination Kit for 3M ST, FC, SC Hot Melt Connectors,	230V	6351

### Accessories

One Step Polishing Machine	6850-A
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\*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.

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