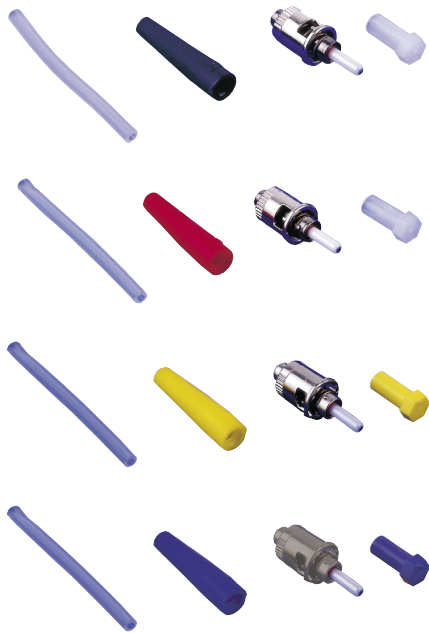




# 3M™ Fibre Optic Connectivity ST-Connectors and Couplings



The 3M ST-Connector product line provides high repeatability and low light loss for premises, LAN and telco applications. All 3M connectors and couplings meet the corresponding IEC and CENELEC component or cabling standards. The 3M ST connectors are supplied with a high quality PC finish on zirconium ceramic ferrules. Besides standard epoxy connectors, the 3M ST connectors are available in single-mode and multimode preloaded with Hot Melt adhesive for field terminations in less than two minutes. The ST connector is also available as the 3M Crimplok™ Connector. The Crimplok™ connector combines the speed of non adhesive connectors with the high performance characteristics of epoxy or Hot Melt connectors. Crimplok™ connectors are the ideal solution, when there is no electrical power source or for installations in tight workspaces.



---

## Features

### Epoxy Bayonet ST Connectors

- According to IEC / CENELEC standards
- Closed Bayonet Nut
- Zirconium ceramic ferrule
- Pre-radiused PC-Finish

### Hot Melt Bayonet ST Connectors Pre-loaded Hot Melt adhesive versions

- Fast cure time
- No crimping required
- Unlimited adhesive shelf life
- Zirconia ceramic ferrule
- Pre-radiused PC-Finish

### Crimplok Connectors Non-adhesive design

- No set-up time required
- No electrical power required
- Zirconia ceramic ferrule
- Pre-radiused PC-Finish

## Benefits

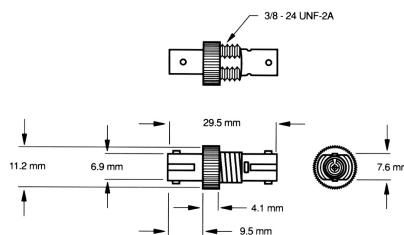
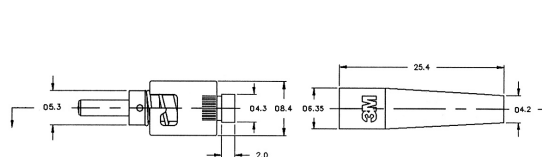
- Rugged reliable performance
- Improved mechanical stability
- High performance over temperature range
- Consistent performance with low reflection
- No epoxy to mix, no shelf life, no waste
- Quicker installation, saves time
- Fewer tools, saves time
- Eliminates outdated epoxy inventory
- High performance over temperature range
- Consistent performance with low reflection
- Clean and simple terminations
- Saves installation time
- Installation anywhere, ideal for “quick fix”
- High performance over temperature range
- Consistent performance with low reflection

## Specifications:

<b>3M™ ST Connectors</b>	<b>Hot Melt</b>		<b>Crimplok™</b>		<b>Epoxy</b>	
<b>Product Number</b>	<b>6100</b>	<b>8100YS</b>	<b>6901</b>	<b>8901</b>	<b>6105</b>	<b>8106 8107</b>
<b>Connector Type</b>	<b>Hot melt Ceramic</b>	<b>Hot melt Ceramic</b>	<b>Crimplok Ceramic</b>	<b>Crimplok Ceramic</b>	<b>Epoxy Ceramic</b>	<b>Epoxy Ceramic</b>
Ferrule hole size (µm) for nominal size 125 µm	125	126	125	126	125	125 126
Insertion Loss (dB) typical field mount (one-mated pair) @ 1300 nm	<0,2	<0,2	<0,2	<0,2	<0,2	<0,3
Reflection (dB) typical field mount	-25	-40	-25	-40	-25	-45
Connecteur durability (dB) change after 500 matings	<0,2	<0,2	<0,3	<0,3	<0,2 / 1000 matings	<0,2
Operating temperature	-40° to 85° C	-40° to 85° C	-10° to 60° C	-10° to 60° C	-40° to 85° C	-40° to 85° C
Storage temperature	-40° to 85° C	-40° to 85° C	-40° to 85° C	-40° to 85° C	-40° to 85° C	-40° to 85° C
Testing Specifications*	ISO/IEC	ISO/IEC	ISO/IEC	ISO/IEC	ISO/IEC	ISO/IEC
Material						
Connector ferrule	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic
Connector housing	Nickel plated zinc	Nickel plated zinc	Thermoplastic polymer	Thermoplastic polymer	Nickel plated zinc	Nickel plated zinc
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
Connector identification **	Blue dot one end of ferrule, White Boot	Blue dot one end of ferrule, Yellow Boot	Black Body Beige Shell, Grey Boot	Black Body Beige Shell, Blue Boot	Black Backbone	Black Backbone
Field termination kit*** 230 V	6361	6361	Crimplok kit	Crimplok kit	8361	8361

\* ISO 11801, EN50173, \*\* Note: other boot colours are available, \*\*\* See separate datasheet for Termination Kits

<b>3M™ ST Couplings</b>	<b>Multimode</b>		<b>Singlemode</b>	
<b>Product Number</b>	<b>6112</b>	<b>6113</b>	<b>8113</b>	<b>8119</b>
Description	Threaded coupling	Duplex threaded coupling	Duplex threaded coupling	Threaded coupling
Operating temperature	-40° to 85° C	-40° to 85° C	-40° to 85° C	-40° to 85° C
Material				
Housing	Nickel plated zinc	Nickel plated zinc	Nickel plated zinc	Nickel plated zinc
Sleeve	Phosphor bronze	Phosphor bronze	Zirconia ceramic	Zirconia ceramic



## Ordering information:

<b>ST Connectors</b>	<b>Multimode</b>		<b>Singlemode</b>		<b>Epoxy</b>	
<b>Ref.-No.</b>	<b>6100</b>	<b>8100YS</b>	<b>6901</b>	<b>8901</b>	<b>6105</b>	<b>8106 8107</b>
<b>Connector Type</b>	<b>Hot melt Ceramic</b>	<b>Hot melt Ceramic</b>	<b>Crimplok Ceramic</b>	<b>Crimplok Ceramic</b>	<b>Epoxy Ceramic</b>	<b>Epoxy Ceramic</b>
Packaging	1/pkg. 60/cs	1/pkg. 60/cs	1/pkg. 60/cs	1/pkg. 60/cs	1/pkg. 60/cs	1/pkg. 60/cs
Minimum order*	60 each	60 each	60 each	60 each	60 each	60 each

\* Bulk Packages of 1000 each are available upon request

<b>ST Couplings</b>	<b>Multimode</b>		<b>Singlemode</b>	
<b>Ref.-No.</b>	<b>6112</b>	<b>6113</b>	<b>8113</b>	<b>8119</b>
Packaging	1/bag. 60/cs	1/bag. 60/cs	1/bag. 60/cs	1/bag. 60/cs
Minimum order*	60 each	60 each	60 each	60 each

***3M is trademark of 3M Company***

---

**Important Notice**

3M does not accept responsibility or liability, direct or consequential arising from reliance upon any information provided and the user should determine the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence. All questions of liability relating to 3M products are governed by the seller's terms of sale subject where applicable to the prevailing law.

If any goods supplied or processed by or on behalf of 3M prove on inspection to be defective in material or workmanship, 3M will (at its option) replace the same or refund to the Buyer the price of the goods or services. Except as set out above, all warranties and conditions, whether express or implied, statutory or otherwise are excluded to the fullest extent permissible at law.



**3M Telecommunications**

Europe, Middle East & North Africa

c/o Quante AG

Carl-Schurz-Strasse 1 • 41453 Neuss • Germany

Tel: ++49 (0)2131 / 14-5999

Fax: ++49 (0)2131 / 14-5998

Internet: [www.3MTelecommunications.com](http://www.3MTelecommunications.com)