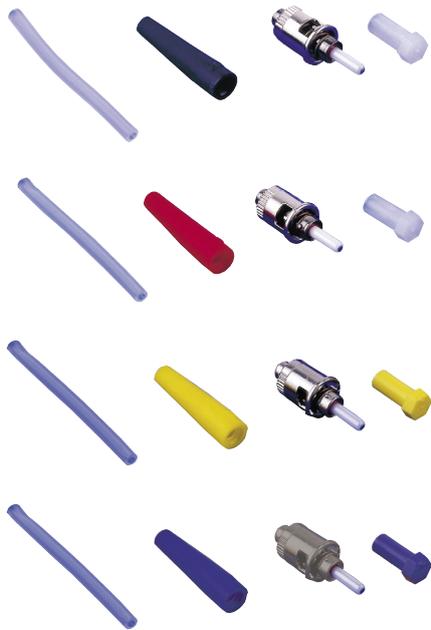




3M™ Fibre Optic Connectivity ST-Connectors and Couplings



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

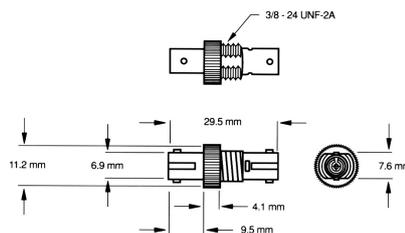
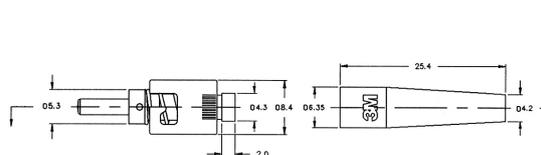
- Rugged reliable performance
- Improved mechanical stability
- High performance over temperature range
- Consistent performance with low reflection
- No epoxy to mix, no shelf life, no waste
- Quicker installation, saves time
- Fewer tools, saves time
- Eliminates outdated epoxy inventory
- High performance 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:

3M™ ST Connectors	Hot Melt		Crimplok™		Epoxy	
Product Number	6100	8100YS	6901	8901	6105	8106 8107
Connector Type	Hot melt Ceramic	Hot melt Ceramic	Crimplok Ceramic	Crimplok Ceramic	Epoxy Ceramic	Epoxy Ceramic
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

3M™ ST Couplings	Multimode		Singlemode	
Product Number	6112	6113	8113	8119
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:

ST Connectors	6100		8100YS		6105		8106 8107	
Ref.-No.	6100	8100YS	6901	8901	6105	8106	8107	
Connector Type	Hot melt Ceramic	Hot melt Ceramic	Crimplok Ceramic	Crimplok Ceramic	Epoxy Ceramic	Epoxy Ceramic		
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

ST Couplings	6112		6113		8113		8119	
Ref.-No.	6112	6113	8113	8119				
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				

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