

3M™ Hot Melt Connectors

3M™ Hot Melt Connectors come pre-loaded with advanced 3M hot melt adhesive. There is no need for epoxy mixing and application so the termination time averages just two minutes. The 3M hot melt connector's reliability, high performance and ease of use, in both indoor and outdoor LANs worldwide, have made it an industry favorite.

The 3M Hot Melt LC Connector in both singlemode and multimode has all the advantages of our pre-loaded hot melt technology — and at half the size of our SC connector.



3M™ Hot Melt SC Connector



3M™ Hot Melt LC Connector

Features and Benefits

3M™ Hot Melt LC, SC, ST and FC Connectors	
Pre-loaded hot melt adhesive	Extended shelf life as compared to epoxy versions; fewer consumables (cost effective); no epoxy to mix; no syringe needed; shorter set-up time; no mess; no waste
No waiting for epoxy to cure	Termination in approximately two minutes increases productivity; short heat and cool cycle; saves time
Single-step polish for multimode	Only one abrasive to buy; faster polishing (cost effective)
Extended adhesive shelf life	Reduces outdated epoxy inventory and stock rotation requirements
Pre-radiused PC ferrule	Designed to provide contact of fibers; consistent performance

3M Hot Melt Connector Specifications

Connector Type	Multimode				Singlemode		
	ST	FC	SC	LC	ST	SC	LC
Product Family	6100	6200	6300	6600	8100YS	8300	8600
Insertion loss (dB) Typical	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Reflectance (dB) Typical	<-25	<-25	<-25	<-25	<-40	<-40	<-40
Operating temperature range	-10° to 60°C	-10° to 60°C	-10° to 60°C	-10° to 60°C	-10° to 60°C	-10° to 60°C	-10° to 60°C
Storage temperature	-10° to 60°C	-10° to 60°C	-10° to 60°C	-10° to 60°C	-10° to 60°C	-10° to 60°C	-10° to 60°C
Material							
Connector ferrule	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
Boot	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer	Thermoplastic elastomer
Field termination kit							
120 V	6366	6366	6366	+	6366	6366	+
220 V	6362	6362	6362		6362	6362	

+ 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	3M ID
6100-B	MM Hot Melt ST ceramic, black boot	1/bag, 60/carton	60 each	80-6111-2754-1
6100-R	MM Hot Melt ST ceramic, red boot	1/bag, 60/carton	60 each	80-6111-2755-8
6100-W	MM Hot Melt ST ceramic, white boot	1/bag, 60/carton	60 each	80-6111-2753-3
6200	MM Hot Melt FC ceramic, white boot	1/bag, 60/carton	60 each	80-6111-2758-2
6300-W	MM Hot Melt SC ceramic, white boot	1/bag, 60/carton	60 each	80-6111-2757-4
6600-S	MM Hot Melt LC simplex 900 BTW white boot	1/bag, 60/carton	60 each	80-6113-1429-7
6602-S	MM Hot Melt LC simplex 1.6-2.0 cable white boot	1/bag, 60/carton	60 each	80-6113-1349-7
6603-S	MM Hot Melt LC simplex 2.4-3.0 cable white boot	1/bag, 60/carton	60 each	80-6113-1430-5
6601-D	MM Hot Melt LC duplex 900 buffer white/beige boots	1/bag, 60/carton	60 each	80-6113-1431-3
6602-D	MM Hot Melt LC duplex 1.6-2.0 cable white/beige boots	1/bag, 60/carton	60 each	80-6113-1350-5
6603-D	MM Hot Melt LC duplex 2.4-3.0 cable white/beige boots	1/bag, 60/carton	60 each	80-6113-1432-1
6604-D	MM Hot Melt LC duplex 900 buffer red/black boots	1/bag, 60/carton	60 each	80-6113-1433-9
6605-D	MM Hot Melt LC duplex 1.6-2.0 cable red/black boots	1/bag, 60/carton	60 each	80-6113-1434-7
6606-D	MM Hot Melt LC duplex 2.4-3.0 cable red/black boots	1/bag, 60/carton	60 each	80-6113-1435-4
8100-YS	SM Hot Melt ST ceramic, yellow boot	1/bag, 60/carton	60 each	80-6111-2762-4
8200-W	SM Hot Melt FC ceramic, white boot	1/bag, 60/carton	60 each	80-6111-7612-6
8300	SM Hot Melt SC ceramic, white boot	1/bag, 60/carton	60 each	80-6111-2765-7
8600-S	SM Hot Melt LC simplex 900 BTW white boot	1/bag, 60/carton	60 each	80-6113-1436-2
8602-S	SM Hot Melt LC simplex 1.6-2.0 cable white boot	1/bag, 60/carton	60 each	80-6113-1351-3
8603-S	SM Hot Melt LC simplex 2.4-3.0 cable white boot	1/bag, 60/carton	60 each	80-6113-1437-0
8601-D	SM Hot Melt LC duplex 900 buffer white/beige boots	1/bag, 60/carton	60 each	80-6113-1438-8
8602-D	SM Hot Melt LC duplex 1.6-2.0 cable white/beige boots	1/bag, 60/carton	60 each	80-6113-1352-1
8603-D	SM Hot Melt LC duplex 2.4-3.0 cable white/beige boots	1/bag, 60/carton	60 each	80-6113-1439-6

Note: MM – Multimode; SM – Singlemode