

Communication Markets Division

3M™ No Polish ST Connector

Singlemode and Multimode 250 μm/ 900 μm

3M™ No Polish ST Connector provides fast on-site termination of 250 μm and 900 μm connectors utilizing a one-piece, pre-assembled design.

The ST compatible connector consists of a factory-polished fiber/ferrule assembly and a mechanical splice that is terminated with a simple and reliable field tool. To maximize field termination yield, the splice in the connector can be opened and reused with a cap lifter. The assembly tool with cap lifter is included in every box of 60 connectors. The streamlined boot is attached to the connector body, minimizing the chance of losing or forgetting to install it during the termination process. After the termination, the boot helps keep the fiber from kinking, even during side pull.

3M™ No Polish ST Connectors are RoHS compliant.*



3M™ No Polish ST Connectors

Features	Benefits
Field termination	Right cable length with virtually no cable slack to store
One-piece, pre-assembled design	No small, loose parts
Factory polished fiber stub	No on-site polish or adhesives required
900 μm buffer strain relief	Excellent pull out strength
Simple assembly tool	Fast and easy installation
Fiber holder for assembly	Aligns and guides fiber into connector with optimal insertion force

On the 3M™ No Polish ST Connector Assembly Tool 8845-AT, the connector receptacle is hinged allowing for easy insertion and removal of the ST NPC.

The ST NPC is tested for premises applications for indoor locations and is available in singlemode and multimode, 62.5 μm, 50 μm and also 50 μm LOMMF (laser optimized multimode fiber) for 10 Gb applications. The No Polish Connector is RoHS compliant.*



3M™ No Polish ST Connector Assembly Tool (8845-AT)



3M™ No Polish Connector Kit with Cleaver 8865-C

3M™ No Polish SC/APC Connector Specifications

	Multimode 6840-50	Multimode 6840-50/LOMMF	Multimode 6840-62.5	Singlemode 8840
Insertion Loss (dB) typical	0.2	0.2	0.2	0.3
Reflectance (dB) typical at room temp	<-30	<-30	<-25	<-40
Reflectance (dB) over operating temperature range	<-30	<-30	<-25	<-35
Operating temperature range (°C)	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C
Storage temperature (°C)	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C
Connector identification				
Housing	Black	Aqua	Beige	Blue
Boot	White	White	White	White



3M™ Easy Cleaver is conveniently included in select packages of 3M™ No Polish ST Connectors

Ordering Information - 3M™ No Polish Connectors

Product Number	Connector, Kit and Tool Descriptions	Packaging	3M ID
6840-50	No Polish ST Connector MM 50 µm, 250/900 buffer, 60 pack (black housing)	60/package**	80-6113-9511-4
6840-50/LOMMF	No Polish ST Connector MM 50 µm LO, 250/900 buffer, 60 pack (aqua housing)	60/package**	80-6113-9512-2
6840-62.5	No Polish ST Connector MM 62.5 µm, 250/900 buffer, 60 pack (beige housing)	60/package**	80-6113-9513-0
6840-50/12	No Polish ST Connector MM 50 µm, 250/900 buffer, 12 pack (black housing)	12/package	80-6113-9514-8
6840-50/LOMMF/12	No Polish ST Connector MM 50 µm LO, 250/900 buffer, 12 pack (aqua housing)	12/package	80-6113-9515-5
6840-62.5/12	No Polish ST Connector MM 62.5 µm, 250/900 buffer, 12 pack (beige housing)	12/package	80-6113-9516-3
8840	No Polish ST Connector SM, 250/900 buffer, 60 pack (blue housing)	60/package**	80-6113-9517-1
8840/12	No Polish ST Connector SM, 250/900 buffer, 12 pack (blue housing)	12/package	80-6113-9518-9
8845-AT	Assembly Tool, No Polish ST Connector, 250/900 buffer	1/package	80-6113-9519-7
8865	No Polish ST Connector Kit without cleaver (includes SC, LC and ST assembly tools)	1/package	80-6113-2378-5
8865-C	No Polish ST Connector Kit with cleaver (includes SC, LC and ST assembly tools)	1/package	80-6113-2379-3
Connectors with 3M™ Easy Cleaver			
8840/C	No Polish ST Connector SM, 250/900 µm buffer, with assembly tool and 3M Easy Cleaver	120/box	80-6114-9418-0
6840-50/C_60	No Polish ST Connector MM 50 µm, 250/900 µm buffer, with assembly tool and 3M Easy Cleaver	60/box	80-6114-9431-3
6840-50LOMMF/C_60	No Polish ST Connector MM 50 µm LO, 250/900 µm buffer, with assembly tool and 3M Easy Cleaver	60/box	80-6114-9432-1
6840-62.5/C_60	No Polish ST Connector MM 62.5 µm, 250/900 µm buffer, with assembly tool and 3M Easy Cleaver	60/box	80-6114-9433-9

**Includes one 8845-AT Assembly Tool

**"RoHS 2011/65/EU" means that the product or part does not contain any of the substances in excess of the maximum concentration values ("MCVs") in EU RoHS Directive 2011/65/EU. The MCVs are by weight in homogeneous materials. This information represents 3M's knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M.

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