



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Communication Markets Division

3M™ No Polish SC/UPC Connector

Singlemode and Multimode 250 μm/900 μm

3M™ No Polish SC/UPC Connector enables fast, on-site termination of 250 μm and 900 μm connections utilizing a one piece, pre-assembled design.

The SC compatible connector consists of a factory-polished ceramic fiber/ferrule assembly and a mechanical splice that is installed with a simple and reliable field tool. A bell-shaped boot is attached to the connector body, minimizing the chance of losing or forgetting to terminate the boot during the connection.

To maximize field termination yield, the splice in the connector can be opened and reused with a cap lifter. The assembly tool and cap lifter are included in every box of 60 connectors. The No Polish Connector is tested for premises and FTTP applications for indoor and outdoor locations and is available in singlemode, 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 SC/UPC Connectors

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



3M™ No Polish SC Connector Assembly Tool 8865-AT

3M™ No Polish SC Connector Specifications

| | Multimode 6800-50 | Multimode 6800-50/LOMF | Multimode 6800-62.5 | Singlemode 8800 |
|---------------------------------------------------|----------------------|---------------------------|------------------------|--------------------|
| 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) | 0°C to 60°C | 0°C to 60°C | -10°C to 60°C | -40°C to 75°C |
| Storage temperature (°C) | -40°C to 85°C | -40°C to 85°C | -40°C to 85°C | -40°C to 85°C |
| Connector identification | | | | |
| Backbone | Black | Black | Black | Black |
| Housing | Black | Aqua | Beige | Blue |
| Boot | White | White | White | White |
| Field termination kit (no power needed) | 8865-C | 8865-C | 8865-C | 8865-C |



The 3M™ No Polish Connector Kit with 3M™ Cleaver 8865-C includes all the tools necessary for installation.



The 3M™ No Polish Connector Premium Kit 8865-C/PR has all of the tools of the 3M™ Cleaver 8865-C in a larger case that can hang by a hook and includes a work surface, fiber shard container, tweezers, brush and lint-free wipes in a tub.



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

Ordering Information - 3M™ No Polish SC Connectors

| Product Number | Connector, Kit and Tool Descriptions | Packaging | 3M ID |
|-----------------------------------------|------------------------------------------------------------------------|------------|----------------|
| 8800 | No Polish SC Connector SM 250/900 with tool (blue housing) | 60/package | 80-6113-2622-6 |
| 6800-50 | No Polish SC Connector MM 50 µm 250/900 with tool (black housing) | 60/package | 80-6113-2623-4 |
| 6800-50/LOMMF | No Polish SC Connector MM 50 µm LOMMF 250/900 with tool (aqua housing) | 60/package | 80-6113-2624-2 |
| 6800-62.5 | No Polish SC Connector MM 62.5 µm 250/900 with tool (beige housing) | 60/package | 80-6113-2625-9 |
| 8865-AT | No Polish SC Connector Assembly Tool 250/900 µm | 1/package | 80-6113-2630-9 |
| 8865-C | No Polish Connector Kit with cleaver | 1/package | 80-6113-2379-3 |
| 8865-C/PR | No Polish Connector Premium Kit with cleaver | 1/package | 80-6113-8783-0 |
| 8865-CL | No Polish Connector Cap Lifter Tool | 25/package | 80-6113-8065-2 |
| Connectors with 3M™ Easy Cleaver | | | |
| 8800/C | No Polish SC/UPC Connector SM with 3M™ Easy Cleaver | 120/box | 80-6114-9411-5 |
| 6800-50/C_60 | No Polish SC Connector MM 50 µm with 3M Easy Cleaver | 60/box | 80-6114-9419-8 |
| 6800-50LOMMF/C_60 | No Polish SC Connector MM 50 µm laser optimized with 3M Easy Cleaver | 60/box | 80-6114-9420-6 |
| 6800-62.5/C_60 | No Polish SC Connector MM 62.5 µm with 3M Easy Cleaver | 60/box | 80-6114-9421-4 |

“*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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