

Communication Markets Division

# 3M™ No Polish SC/APC Connector

## Singlemode and Multimode 250 μm/ 900 μm

The 3M™ No Polish SC/APC Connector provides fast, on-site termination of 250 μm and 900 μm singlemode fiber. The SC/APC compatible connector consists of a factory-polished fiber/ferrule assembly and a mechanical splice that is terminated with a simple and reliable field tool. It is available with a standard, flat splice configuration or with a keyed, angle splice.

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 bell-shaped boot that is attached to the connector body minimizes the chance of losing or forgetting to install the boot during the connection. After termination, the boot keeps the fiber from kinking, even during side pull.



3M™ No Polish SC/APC Connectors

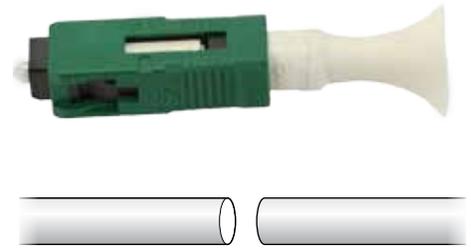
The No Polish Connector is tested for premises and FTTP applications for indoor and outdoor locations and is RoHS compliant.\*

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
Keyed, angle cleave splice	Low reflection across temperature extremes
900 μm buffer strain relief	Excellent pull out strength
Factory-polished stub in ferrule	No on-site polish or adhesives required

## Flat Splice Connectors

3M™ No Polish SC/APC Flat Splice Connectors provide excellent performance for digital transmission networks that require a SC/APC termination, such as an Optical Network Terminal that is pre-installed with an SC/APC interface.

SC/APC flat splice connectors provide acceptable analog video performance for indoor applications since the flat splice has a typical reflection of -55 dB for room temperatures.



### Flat Cleave Splice

Uses standard fiber cleaver for field termination

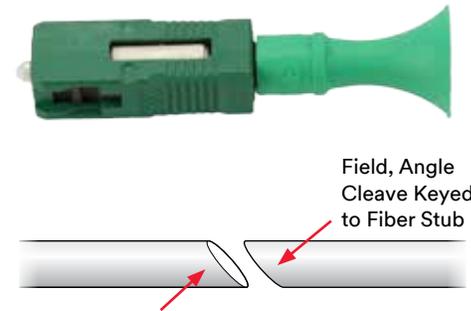
## Angle Splice Connectors

3M™ No Polish SC/APC Keyed, Angle Splice Connectors are specifically designed for analog video transmission with very low optical reflection of <-60 dB across temperature extremes.

Based upon 3M laboratory testing, keying of the angle cleaves is important for optical reflection performance.

## Assembly Tool for 250/900 μm

3M™ No Polish SC Connector Assembly Tool is included in every box of 60 connectors. Keeps angle cleaves aligned during termination process.



Field, Angle  
Cleave Keyed  
to Fiber Stub

Factory Formed Angle  
Inside Connector

### Keyed, Angle Cleave Splice

Using the 3M™ Fiber Optic Angle Cleaver 2535, a precise angle can be formed on the field fiber end. With the assembly tool, angles of the field fiber and connector fiber are aligned to optimize optical coupling and minimize back reflections

## 3M™ No Polish SC/APC Connector Specifications

	Singlemode 8800-APC/FS	Singlemode 8800-APC/AS
Insertion Loss (dB) typical	0.3	0.3
Reflectance (dB) typical at room temp	<-55	<-65
Reflectance (dB) over operating temperature range	<-35	<-60
Operating temperature range (°C)	-40°C to 75°C	-40°C to 75°C
Storage temperature (°C)	-40°C to 85°C	-40°C to 85°C
Connector identification	Green/White	Green/Green
Field termination kit (no power needed)	8865-C or 8856-C/PR	2565

### 3M™ Fiber Optic Angle Cleave Kit 2565



The 3M™ Fiber Optic Angle Cleave Kit 2565 includes the 3M™ Fiber Optic Angle Cleaver 2535 and all tools necessary for 3M™ No Polish Connector 8800-APC/AS

### 3M™ No Polish Connector Kit 8865-C



3M™ No Polish Connector Kit 8865-C includes all tools necessary for 3M™ No Polish Connector 8800-APC/FS flat splice connectors

### 3M™ No Polish Connector Premium Kit 8865-C/PR



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

### 3M™ Connectors, Tools and Kits Ordering Information

Product Number	Connector, Kit and Tool Descriptions	Packaging	3M ID
8800-APC/AS	No Polish SC/APC Connector SM Angle Splice 250/900 with tool (green boot)	60/package	80-6113-2627-5
8800-APC/FS	No Polish SC/APC Connector SM Flat Splice 250/900 with tool (green boot)	60/package	80-6113-2626-7
2535	Fiber Optic Angle Cleaver	1/package	80-6113-2423-9
2565	Fiber Optic Angle Cleave Kit with angle cleaver	1/package	80-6113-2508-7
8865-AT	No Polish SC Connector Assembly Tool 250/900 μm	1/package	80-6113-2630-9
8865-C	No Polish Connector Preparation Kit with flat cleaver	1/package	80-6113-2379-3
8865-C/PR	No Polish Connector Premium Kit with flat cleaver	1/package	80-6113-8783-0
8865	No Polish Connector Kit without cleaver	1/package	80-6113-2378-5
8865/PR	No Polish Premium Premium Kit without cleaver	1/package	80-6114-8296-1
8865-CL	No Polish Connector Cap Lifter Tool	25/package	80-6113-8065-2
<b>Connectors with 3M™ Easy Cleaver</b>			
8800-APC/FS/C	No Polish SC/APC Connector SM flat splice with 3M Easy Cleaver	120/box	80-6114-9412-3



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

"\*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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**Communication Markets Division**

6801 River Place Blvd.  
Austin, TX 78726-9000 USA

Phone 1-800-426-8688  
Fax 1-800-626-0329  
Web 3M.com/Telecom

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