

Communication Markets Division

# 3M™ Crimplok™+ Connector

## Singlemode and Multimode 250 μm/900 μm

3M™ Crimplok™+ Connectors provide fast, easy field termination of 250 and 900 μm singlemode and multimode fiber without a splice, gel or adhesive.

A metallic element within the connector mechanically locks the fiber in place. To install, the fiber is cleaved, inserted through the connector and locked in place using the 3M™ Crimplok™+ Protrusion Setting Tool and the fiber tip polished with the 3M™ Crimplok™+ Nano Finishing Tool. This hand tool utilizes a polishing film and an orbital mechanism that polishes with a single turn of the handle.

Crimplok+ Connectors have a thermally balanced design that is tested for premises and FTTP applications for indoor and outdoor conditions.

The streamlined boot attached to the connector body minimizes the chance of losing or forgetting to install it during the termination process. After the installation, the boot keeps the fiber from kinking, even during side pull.



3M™ Crimplok™+ Connector Family

The Crimplok+ Connectors and Tools are RoHS compliant.\*

Features	Benefits
No splice, gel or adhesive	Virtually eliminates splice interface/potential optical loss point
Simple assembly tools	Fast, easy installation without electrical power
Angle nano finishing tool for SC/APC connectors	Helps eliminate high CapEx of angle cleaver
Polishing film with every connector	Always have new polishing film
One-piece, pre-assembled design	No small, loose parts
Field termination	Always the right cable length with virtually no cable slack to store
SC/APC angle polish	Low reflectance, <-60 dB for outdoor temperatures

### Specifications Common to all 3M™ Crimplok™+ Connectors

Material	
Connector ferrule	Zirconia ceramic
Connector housing and body	Engineered resin
Boot	Thermoplastic elastomer
Dimensions	8.1 × 9.0 × 45 mm (0.3" x 0.3" x 1.8")

### 3M™ Crimplok™+ SC Connector Specifications

	Multimode 6700-50	Multimode 6700-50/LOMFF	Multimode 6700-62.5	Singlemode 8700-UPC	Singlemode 8700-APC
Insertion Loss (dB) typical	0.2	0.2	0.2	0.2	0.25
Reflectance (dB) typical at room temp	<-30	<-30	<-25	<-40	<-65
Reflectance (dB) max over operating temperature range	<-30	<-30	<-25	<-35	<-60
Operating temperature range (°C)	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C	-40°C to 75°C	-40°C to 75°C
Storage temperature (°C)	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C	-40°C to 85°C	-40°C to 85°C
Connector identification	black/white	aqua/white	beige/white	blue/white	green/white
Field termination kit	8765-UPC	8765-UPC	8765-UPC	8765-UPC	8765-APC



3M™ Crimplok™+ SC/UPC Nano Finishing Tool 8765-NF/UPC



3M™ Crimplok™+ SC/UPC Connector Kit 8765-UPC contains all the tools necessary for 3M™ Crimplok™+ Connectors 6700 & 8700-UPC



3M™ Easy Cleaver is conveniently included in select packages of 3M™ Crimplok™+ Connectors.

3M™ Crimplok™+ SC/APC Protrusion Setting Tool 8765-PS/APC

### 3M™ Crimplok™+ Connector Ordering Information

Product Number	Product Descriptions	Packaging	3M ID
8700-UPC	Crimplok+ Connector SC/UPC SM 250/900 µm	12/package	80-6113-8067-8
8700-PS/UPC	Crimplok+ Connector SC/UPC SM 250/900 µm with Protrusion Setting Tool	60/package	80-6113-8750-9
8700-APC	Crimplok+ Connector SC/APC SM 250/900 µm	12/package	80-6113-8068-6
8700-PS/APC	Crimplok+ Connector SC/APC SM 250/900 µm with Protrusion Setting Tool	60/package	80-6113-8751-7
6700-50	Crimplok+ Connector SC MM 50 µm 250/900 µm	12/package	80-6114-7902-5
6700-PS/50	Crimplok+ Connector SC MM 50 µm 250/900 µm with Protrusion Setting Tool	60/package	80-6114-7905-8
6700-50/LOMMF	Crimplok+ Connector SC MM 50 µm LOMMF 250/900 µm	12/package	80-6114-7903-3
6700-PS/50/LOMMF	Crimplok+ Connector SC MM 50 µm LOMMF 250/900 µm with Protrusion Setting Tool	60/package	80-6114-7906-6
6700-62.5	Crimplok+ Connector SC MM 62.5 µm 250/900 µm	12/package	80-6114-7904-1
6700-PS/62.5	Crimplok+ Connector SC MM 62.5 µm 250/900 µm with Protrusion Setting Tool	60/package	80-6114-7907-4
8765-UPC	Crimplok+ SC/UPC Connector Kit	1/package	80-6113-8072-8
8765-APC	Crimplok+ SC/APC Connector Kit	1/package	80-6113-8073-6
8765-PS/UPC	Crimplok+ SC/UPC Protrusion Setting Tool	1/package	80-6113-8074-4
8765-PS/APC	Crimplok+ SC/APC Protrusion Setting Tool	1/package	80-6113-8095-9
8765-NF/UPC	Crimplok+ SC/UPC Nano Finishing Tool	1/package	80-6113-8075-1
8765-NF/APC	Crimplok+ SC/APC Nano Finishing Tool	1/package	80-6113-8096-7

### Connectors with Easy Cleaver

8700-PS/APC/C	Crimplok+ Connector SC/APC SM 250/900 µm with Protrusion Setting Tool and 3M™ Easy Cleaver	120/box	80-6114-9435-4
8700-PS/UPC/C	Crimplok+ Connector SC/UPC SM 250/900 µm with Protrusion Setting Tool and 3M Easy Cleaver	120/box	80-6114-9434-7
6700-PS/50/C_60	Crimplok+ Connector SC MM 50 µm 250/900 µm with Protrusion Setting Tool and 3M Easy Cleaver	60/box	80-6114-9436-2
6700-PS/50LOMMF/C_60	Crimplok+ Connector SC MM 50 µm LOMMF 250/900 µm with Protrusion Setting Tool and 3M Easy Cleaver	60/box	80-6114-9437-0
6700-PS/62.5/C_60	Crimplok+ Connector SC MM 62.5 µm 250/900 µm with Protrusion Setting Tool and 3M Easy Cleaver	60/box	80-6114-9438-8

\*\*“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.

3M and Crimplok are trademarks of 3M Company.

**Important Notice**

All statements, technical information, and recommendations related to 3M’s products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M’s current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

**Warranty; Limited Remedy; Limited Liability.**

This product will be free from defects in material and manufacture for a period of 12 months from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M’s option, to replace or repair the 3M product or refund the purchase price of the 3M product. Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.



**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

Please recycle. Printed in USA © 3M 2015.  
All rights reserved. 80-6114-9880-1