

Communication Markets Division

# 3M™ Crimplok™+ Connector with Activation Tool and Protrusion-setting Cap

## SC 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™+ Activation Tool and round-shape protrusion-setting cap, which comes with every connector. The fiber tip is 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.

3M™ 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 SC Family

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

Features	Benefits
No splice, gel or adhesive	No splice interface/potential optical loss point
Simple one-piece 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/Protrusion-setting cap with every connector <b>APC:</b> Green lapping film / Translucent white cap <b>UPC:</b> White lapping film / Translucent blue cap	Always have new polishing film and appropriate protrusion-setting caps for respective APC and UPC connectors
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

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

	Multimode 6700-AT/62.5 (OM3/4)	Multimode 6700-AT/50 (OM2)	Multimode 6700-AT/50LOMMF (OM1)	Singlemode 8700-AT/UPC	Singlemode 8700-AT/APC
Insertion Loss (dB) typical	0.2	0.2	0.2	0.2	0.25
Reflectance (dB) typical at room temp	<-25	<-30	<-30	<-40	<-65
Reflectance (dB) max over operating temperature range	<-25	<-30	<-30	<-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	beige/white	black/white	aqua/white	blue/white	green/white
Field termination kit	8765T-UPC	8765T-UPC	8765T-UPC	8765T-UPC	8765T-APC

#### 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™+ Nano Finishing Tool SC/APC 8765-NF/APC



3M™ Crimplok™+ Connector Kit SC/APC 8765T-APC contains all the tools necessary for 3M™ Crimplok™+ Connector 8700-AT/APC



3M™ Crimplok™+ Activation Tool with a 3M™ Crimplok™+ SC/APC connector



3M™ Crimplok™+ Connectors SC/UPC and SC/APC with Protrusion-setting Caps

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

Product Number	Product Descriptions	Packaging	3M ID
8700-AT/APC	3M™ Crimplok™+ Connector SC/APC SM 250/900 μm with Activation Tool	60 connector/ pack	80611622004
8700-AT/UPC	3M™ Crimplok™+ Connector SC/UPC SM 250/900 μm with Activation Tool	60 connector/ pack	80611622087
6700-AT/62.5	3M™ Crimplok™+ Connector SC MM 62.5 μm, (OM1) with Activation Tool	60 connector/ pack	80611622111
6700-AT/50	63M™ Crimplok™+ Connector SC MM 50 μm, (OM2) with Activation Tool	60 connector/ pack	80611622095
6700-AT/50LOMMF	3M™ Crimplok™+ Connector SC MM 50 μm, (OM3/4) with Activation Tool	60 connector/ pack	80611622103
8765-AT/APC	3M™ Crimplok™+ SC/APC Activation Tool	1 tool/pack	80611621907
8765-AT/UPC	3M™ Crimplok™+ SC/UPC Activation Tool	1 tool/pack	80611621998
8765T-APC	3M™ Crimplok™+ SC/APC Connector Installation Kit	1 kit/pack	80611622145
8765T-UPC	3M™ Crimplok™+ SC/UPC Connector Installation Kit	1 kit/pack	80611622459
8700-AT/APC/C	3M™ Crimplok™+ Connector SC/APC SM 250/900 μm with Activation Tool, Easy Cleaver	120 connector/ pack	80611622335
8700-AT/UPC/C	3M™ Crimplok™+ Connector SC/UPC SM 250/900 μm with Activation Tool, Easy Cleaver	120 connector/ pack	80611622343
6700-AT/62.5/C-60	3M™ Crimplok™+ Connector SC MM 62.5 μm, (OM1) with Activation Tool, Easy Cleaver	60 connector/ pack	80611622418
6700-AT/50/C-60	3M™ Crimplok™+ Connector SC MM 50 μm, (OM2) with Activation Tool, Easy Cleaver	60 connector/ pack	80611622400
6700-AT/50LOMMF/C-60	3M™ Crimplok™+ Connector SC MM 50 μm, (OM3/4) with Activation Tool, Easy Cleaver	60 connector/ pack	80611622426

\*\*“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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