

3M™ Crimplok™+ Connector

Singlemode and Multimode SC/UPC & SC/APC

250/900 μm

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

The connectors are SC compatible with a metallic element that 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. Once completed, the connector is cleaned and ready for use.

Crimplok+ Connectors have a thermally balanced design that is tested for premises and FTTP applications for indoor and outdoor conditions from -40°F to 167°F.

The connectors have a streamlined boot attached to the body, minimizing 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.

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
Thermally balanced design	Excellent optical performance from -40°F to 167°F
Polishing film with every connector	Always have new polishing film
One-piece, pre-assembled design	No small, loose parts
Field installation	Always the right cable length with virtually no cable slack to store
SC/APC angle polish	Low reflection, < -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 x 9.0 x 45 mm (0.3" x 0.3" x 1.8")
Insertion loss	0.2 dB typical
Flame retardancy	UL-94V-0



3M™ Crimplok™+ Connector Family



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



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



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



3M™ Crimplok™ + Connector Specifications

	MM 6700-50	MM 6700-50/LOMMF	MM 6700-62.5	SM 8700-UPC / 8700-APC
Reflection (dB)	<-30	<-30	<-25	<-40 (UPC) / <-65 (APC)
Connector durability, after 500 matings	<0.1 dB change	<0.1 dB change	<0.1 dB change	<0.2 dB change
Operating temperature	-10°C to 60°C (14°F to 140°F)	-10°C to 60°C (14°F to 140°F)	-10°C to 60°C (14°F to 140°F)	-40°C to 75°C (-40°F to 167°F)
Cable tension (in service)				
Straight pull	<0.1 dB increase at 5N (1.1 lb) for 900 µm	<0.1 dB increase at 5N (1.1 lb) for 900 µm	<0.1 dB increase at 5N (1.1 lb) for 900 µm	<0.5 dB increase at 6.9N (1.54 lb) for 900 µm
Side pull	<0.1 dB increase at 2N (0.4 lb) for 900 µm	<0.1 dB increase at 2N (0.4 lb) for 900 µm	<0.1 dB increase at 2N (0.4 lb) for 900 µm	<0.5 dB increase at 6.9N (1.54 lb) for 900 µm
Connector identification				
Housing/Boot	Black/White	Aqua/White	Beige/White	Blue/White (UPC), Green/White (APC)
Field termination kit (no power needed)	8765-UPC	8765-UPC	8765-UPC	8765-UPC (UPC) 8765-APC (APC)

Ordering Information

Product Number	Product Description	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

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