

3M™ Crimplok™+ Connector

Singlemode SC/UPC & SC/APC 900 μm

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

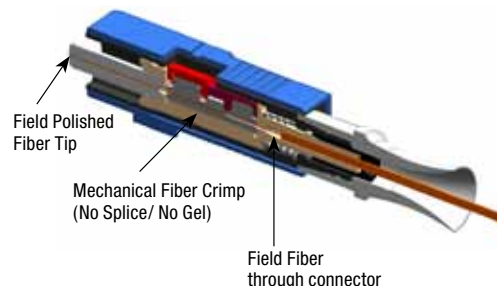
The connectors are SC compatible with a metallic element that mechanically locks the fiber in place. To install, the fiber is cleaved, inserted through the connector and locked in place using the 3M™ Crimplok™+ Protrusion Setting Tool and the fiber tip polished with the 3M™ Crimplok™+ Nano Finishing 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 | 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 no cable slack to store |
| SC/APC angle polish | Low reflection, < -60dB for outdoor temperatures |



3M™ Crimplok™+ Connectors SC/APC and SC/UPC



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



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

3M™ Crimplok™ + Connectors

Specifications

| | |
|--|--|
| Fiber diameter | 125 µm |
| Insertion loss | 0.2 dB typical |
| Reflection (APC) (UPC) | -60 dB max typical -40 dB max typical |
| Connection durability, after 500 matings | < 0.2 dB change |
| Operating temperature | -40°C to 75°C (-40°F to 167°F) |
| Cable tension (in service) | < 0.5 dB increase at 6.9N (1.54 lbf) |
| 90° side pull | < 0.5 dB increase at 6.9N (1.54 lbf) |
| Dimensions | 8.1 x 9.0 x 45 mm (0.3" x 0.3" x 1.8") |

Ordering Information

| Product Number | Product Description | 3M ID | Packaging |
|----------------|---|----------------|------------|
| 8700-UPC | Crimplok+ Connector SC/UPC SM 900 µm | 80-6113-8067-8 | 12/package |
| 8700-PS/UPC | Crimplok+ Connector SC/UPC SM 900 µm with Protrusion Setting Tool | 80-6113-8750-9 | 60/package |
| 8700-APC | Crimplok+ Connector SC/APC SM 900 µm | 80-6113-8068-6 | 12/package |
| 8700-PS/APC | Crimplok+ Connector SC/APC SM 900 µm with Protrusion Setting Tool | 80-6113-8751-7 | 60/package |
| 8765-UPC | Crimplok+ SC/UPC Connector Kit | 80-6113-8072-8 | 1/package |
| 8765-APC | Crimplok+ SC/APC Connector Kit | 80-6113-8073-6 | 1/package |
| 8765-PS/UPC | Crimplok+ SC/UPC Protrusion Setting Tool | 80-6113-8074-4 | 1/package |
| 8765-PS/APC | Crimplok+ SC/APC Protrusion Setting Tool | 80-6113-8095-9 | 1/package |
| 8765-NF/UPC | Crimplok+ SC/UPC Nano Finishing Tool | 80-6113-8075-1 | 1/package |
| 8765-NF/APC | Crimplok+ SC/APC Nano Finishing Tool | 80-6113-8096-7 | 1/package |



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



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

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