

## Field Installable SC Connectors



### Overview

Amphenol's Field installable SC connector kits are designed for quick and reliable installation onto bulk fiber and cable. With a wide operating temperature, the connectors are well suited for indoor and within outdoor enclosures used in fiber distribution and fiber to the home deployments. The connector kits enable field technicians to attach high-quality terminations without epoxy curing, polishing, or fusion splicing, ensuring low insertion loss and high performance.

The connector features a pre-polished end face and is compatible with single mode 900um or up to 3mm jacketed cable, offering consistent and dependable performance in various environments.



### Features

- SC/APC and SC/UPC connector kits
- Fits 900um fiber and up to 3mm cable
- No epoxy, no polish, no splice
- Wide temperature performance
- Low insertion loss
- Quick installation



### Benefits

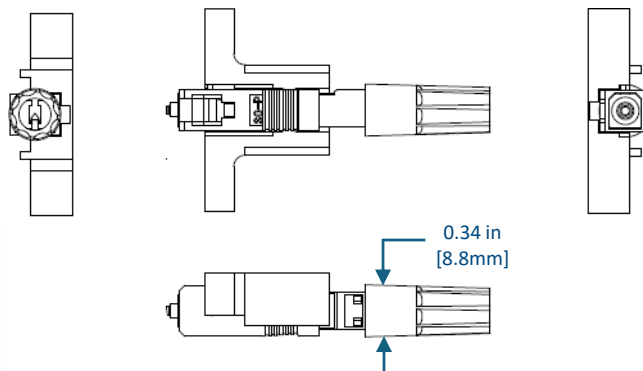
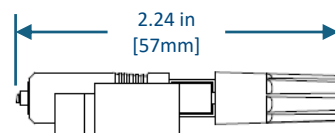
- Provides reliable connectivity when and where needed
- Rapid deployment with pluggable fiber solutions
- Compatible with various network designs and equipment



### Applications

- Fiber to the Home (FTTH)
- In-home fiber connections
- Sealed outdoor cabinets and enclosures
- Edge and mobile data computing sites
- Enterprise Networks

## Assembly Drawing



### SC/UPC Specifications

Part Number	954-2086	
Housing Color	Blue	
Insertion Loss	$\leq 0.3$ dB Typical	
Reflectance	$\leq -40$ dB Minimum	
Fiber Type	Single-Mode OS2 (any grade glass)	
Polish	ROC (Radius)	10-25mm
	Apex Offset	$\leq 100\mu\text{m}$
	Fiber Height	$\pm 100\text{nm}$

### SC/APC Specifications

Part Number	954-2087	
Housing Color	Green	
Insertion Loss	$\leq 0.3$ dB Typical	
Reflectance	$\leq -50$ dB Minimum	
Fiber Type	Single-Mode OS2 (any grade glass)	
Polish	ROC (Radius)	5-12mm
	Apex Offset	$\leq 100\mu\text{m}$
	Fiber Height	$\pm 100\text{nm}$
	Angle Polish	$7.5^\circ$ to $8.5^\circ$
	Key Offset	$\pm 0.5^\circ$

### Other Specifications

Cable Types	900um tight buffered fiber or up to 3mm jacketed cable
Fiber Type	Single Mode
Installation Process	Strip, Cleave, Insert, Twist
Operating Temperature	$-40^\circ$ to $+80^\circ\text{C}$
Fiber Insertions	5 minimum
Durability	200 mating cycles

### Packaging

SPQ	100 pieces
Packaging	Individually bagged connector [Connector and 9000um tube]
Master Carton	10 bags per strip 10 strips per box 1 strip template Installation Instructions

Requires precision fiber stripping and cleaving tools, fiber cleaning consumables and optical inspection and test equipment for optimal performance results