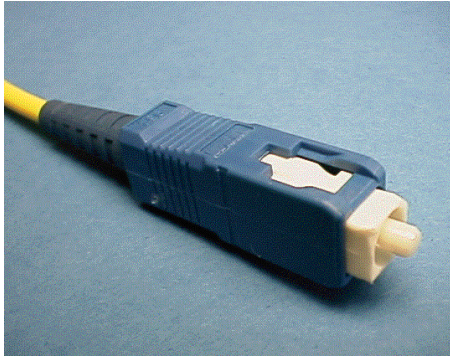


## Singlemode & Multimode Connectors

MAIN CHARACTERISTICS



The push-pull locking system simplifies the insertion and removal of the connector. This makes it ideal for high density interconnect applications.

The high precision manufactured ceramic ferrules are preradiused to reduce the insertion loss and back reflection.

The connector and adapter body are made of molded polymer.

## Technical description

- Typical insertion loss :
  - Singlemode fiber : 0,3 dB at 1300 nm and 1550 nm
  - Multimode fiber : 0,3 dB
- Typical back reflection (single mode fiber) :
  - < - 45 dB (super PC, Amphenol Socapex cabling)
- Reproducibility :  $\pm 0,1$  dB
- Durability : 500 mating/unmating cycles
- Cable retention by crimping : >10 daN ( $\varnothing 3$  mm)
- Operating temperature : -20°C, +70°C
- Connector materials :
  - Zirconia ceramic ferrule
  - Polymer body
- Push-pull locking system
- Spring loaded connector for physical contact butt coupling
- Termination by epoxy polish with polishing machines
- Termination by epoxy polish with field tool kit in 5 minutes

## Features

The one piece SC connector is widely spread in all telecommunication and videocommunication networks requirements.

The Amphenol Socapex SC is intermateable with the SC standard.

## Applications

- Telecommunication and CATV : FTTB, FTTC, and FTTH installations
- Computer local area networks
- Sensors
- Instrumentation

**Amphenol**

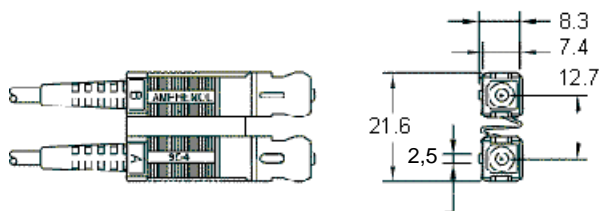
# SC/PC

# 954 Series

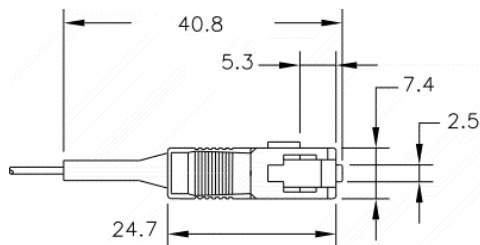
## Line Drawings

(dimensions in mm)

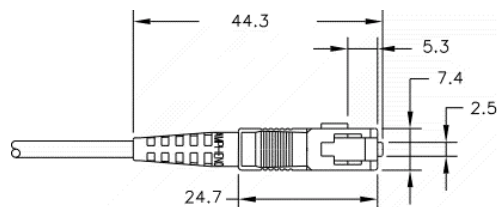
### SC DUPLEX CONNECTOR



### One piece SC connector for 900µm BUFFERED FIBER



### One piece SC connector for 2.8mm CABLE



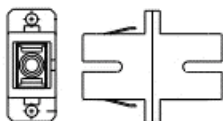
## How to order :

SC Connector, 126µm (singlemode) or 127µm (multimode) ceramic ferrule

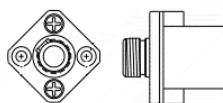
Plug	Simplex/ Duplex	Part number	Body	Boot 900 µm	Boot 3 mm	Crimp ferrule	Packaging
Multimode	Simplex	954-101-5010F09BP	X	X			1000
Multimode	Simplex	954-101-5010F30BP	X		X	X	1000
Multimode	Simplex	954-101-5010F39BP	X	X	X	X	1000
Multimode	Simplex	954-101-5010F39U	X	X	X	X	1
Multimode	Duplex	954-101-5210F09BP	X	X			1000
Multimode	Duplex	954-101-5210F30BP	X		X	X	1000
Multimode	Duplex	954-101-5210F39BP	X	X	X	X	1000
Multimode	Duplex	954-101-5210F39U	X	X	X	X	1
Singlemode	Simplex	954-101-5006F09BP	X	X			1000
Singlemode	Simplex	954-101-5006F30BP	X		X	X	1000
Singlemode	Simplex	954-101-5006F39BP	X	X	X	X	1000
Singlemode	Simplex	954-101-5006F39U	X	X	X	X	1
Singlemode	Duplex	954-101-5206F09BP	X	X			1000
Singlemode	Duplex	954-101-5206F30BP	X		X	X	1000
Singlemode	Duplex	954-101-5206F39BP	X	X	X	X	1000
Singlemode	Duplex	954-101-5206F39U	X	X	X	X	1

## SC adapters (for more details, see on adapters data sheet)

### SC-SC ADAPTER



### SC-FC ADAPTER



### SC-ST ADAPTER



Amphenol