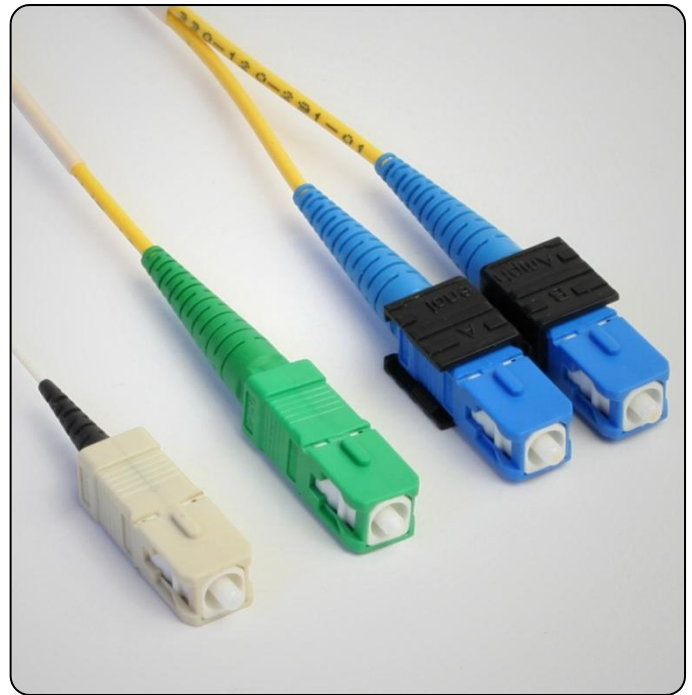


# 954 Series SC Connectors

Amphenol's premier high performance fiber optic 954 Series SC connectors utilize a push pull retention feature enabling easy insertion and removal, making it ideally suited for high-density applications. The SC connector features an internal cavity and epoxy injection tube that virtually eliminates the possibility of improper epoxy application, thus providing higher manufacturing yields and superior quality.

Amphenol's 954 Series SC connectors are compliant to the EIA/TIA-604, IEC 60874, and fully tested by a third party test lab per Telcordia GR-326 specifications.



## Features/Benefits

- Third party tested per Telcordia GR-326
- Easy push pull coupling mechanism enables quick installation and the audible click signifies when connector is locked in place
- Pull proof design prevents signal interruption
- Teflon tube in rear of connector insures clean epoxy injection
- Duplex version utilizes a removable flexible clip providing a float between channels A and B
- High temperature and UL 94-V0 rated plastic housing and boots available in multiple colors
- Tight tolerance ferrules for low loss performance
- Available in singlemode, angled singlemode, and multimode versions
- Available with 900 $\mu$ m, 2.0mm, 3.0mm, and 90 degree boots in multiple colors

## Specifications

**Insertion Loss:**  $\leq 0.15\text{dB}$  typical, singlemode  
 $\leq 0.30\text{dB}$  typical, APC  
 $\leq 0.35\text{dB}$  typical, multimode

**Return Loss:** Ultra (UPC)  $\leq -55\text{dB}^*$   
Angle (APC)  $\leq -65\text{dB}^*$

**Durability:**  $< 0.2\text{dB}$  change, 500mating cycles

**Temperature:**  $< 0.3\text{dB}$  change,  $-40$  to  $+85^\circ\text{C}$

### Intermateability:

The Amphenol 954 Series SC Connectors are mechanically and optically intermateable with NTT-SC type products and conform to JIS, ANSI, TIA/EIA, IEC, and Telcordia specifications.

\*Performance is polish dependent

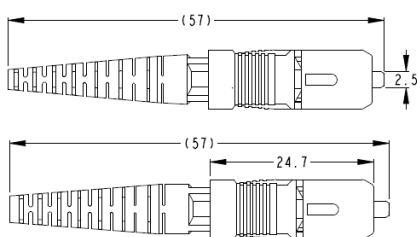
**Amphenol**  
FIBER OPTIC PRODUCTS

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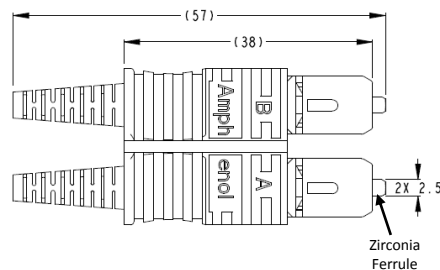
# 954 Series SC Connector Ordering Information\*

SC Simplex Connectors		Ferrule Hole Size	Recommended Cable Diameter	Coupling Sleeve Color	Boot Color
Part #	Description				
954-101-57203B	SC Simplex Connector, Multimode	128µm	3mm	Beige	Black
954-101-57293B	SC Simplex Connector, Singlemode	125.5µm	3mm	Blue	Black
954-101-57293L	SC Simplex Connector, Singlemode	125.5µm	3mm	Blue	Blue
954-103-57393G	SC/APC Simplex Connector, Singlemode, Conical Ferrule	125.5µm	3mm	Green	Green
954-101-57202B	SC Simplex Connector, Multimode	128µm	2mm	Beige	Black
954-101-57292B	SC Simplex Connector, Singlemode	125.5µm	2mm	Blue	Black
954-101-57292L	SC Simplex Connector, Singlemode	125.5µm	2mm	Blue	Blue
954-103-57392G	SC/APC Simplex Connector, Singlemode, Conical Ferrule	125.5µm	2mm	Green	Green
954-101-57209B	SC Simplex Connector, Multimode	128µm	900µm	Beige	Black
954-101-57299B	SC Simplex Connector, Singlemode	125.5µm	900µm	Blue	Black
954-101-57299L	SC Simplex Connector, Singlemode	125.5µm	900µm	Blue	Blue
954-103-57399G	SC/APC Simplex Connector, Singlemode, Conical Ferrule	125.5µm	900µm	Green	Green
SC Duplex Connectors		Ferrule Hole Size	Recommended Cable Diameter	Coupling Sleeve Color	Boot Color
Part #	Description				
954-101-58203B	SC Duplex Connector, Multimode	128µm	3mm	Beige	Black
954-101-58293B	SC Duplex Connector, Singlemode	125.5µm	3mm	Blue	Black
954-101-58293L	SC Duplex Connector, Singlemode	125.5µm	3mm	Blue	Blue
954-103-58393G	SC/APC Duplex Connector, Singlemode, Conical Ferrule	125.5µm	3mm	Green	Green
954-101-58202B	SC Duplex Connector, Multimode	128µm	2mm	Beige	Black
954-101-58292B	SC Duplex Connector, Singlemode	125.5µm	2mm	Blue	Black
954-101-58292L	SC Duplex Connector, Singlemode	125.5µm	2mm	Blue	Blue
954-103-58392G	SC/APC Duplex Connector, Singlemode, Conical Ferrule	125.5µm	2mm	Green	Green
954-101-58209B	SC Duplex Connector, Multimode	128µm	900µm	Beige	Black
954-101-58299B	SC Duplex Connector, Singlemode	125.5µm	900µm	Blue	Black
954-101-58299L	SC Duplex Connector, Singlemode	125.5µm	900µm	Blue	Blue
954-103-58399G	SC/APC Duplex Connector, Singlemode, Conical Ferrule	125.5µm	900µm	Green	Green

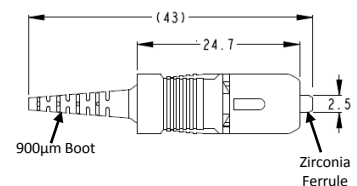
\* Please contact Amphenol for other configurations.



SC Simplex Connector with 2.0mm and 3.0mm Boots



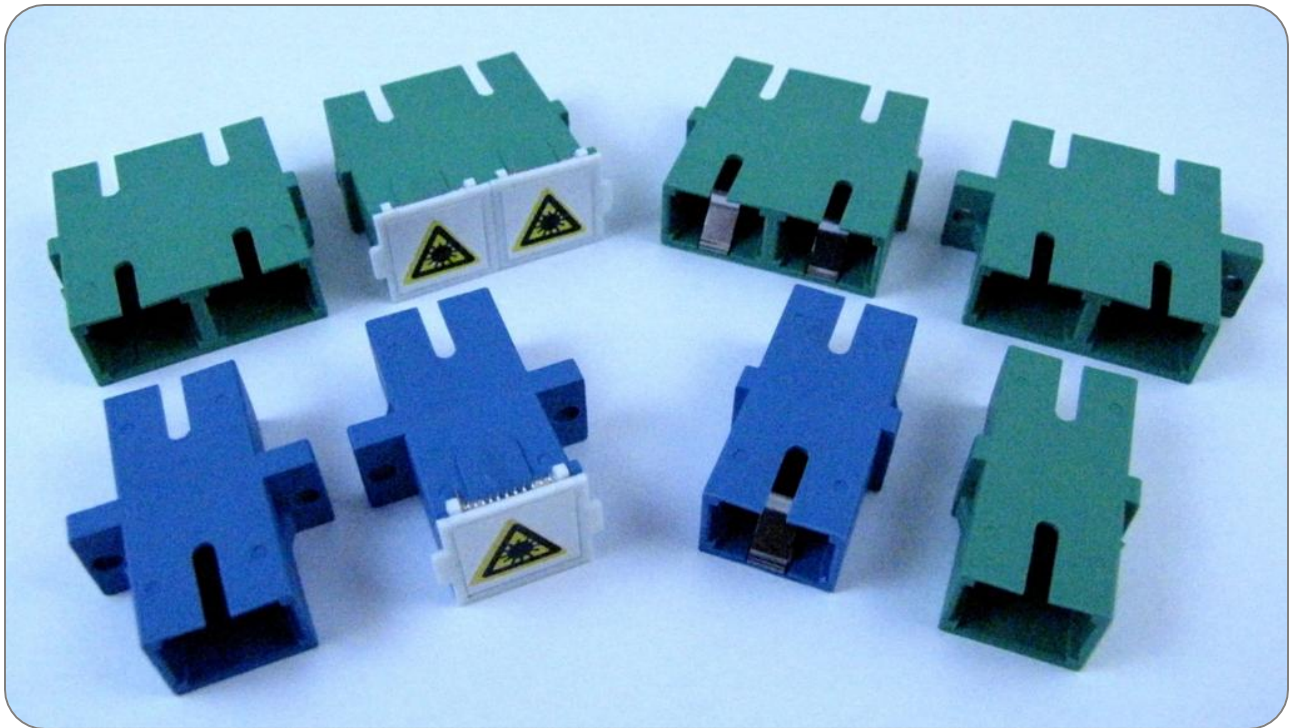
SC Duplex Connector with 3.0mm Boots



SC Simplex Connector with 900µm Boot

# 954 Series SC Adapters

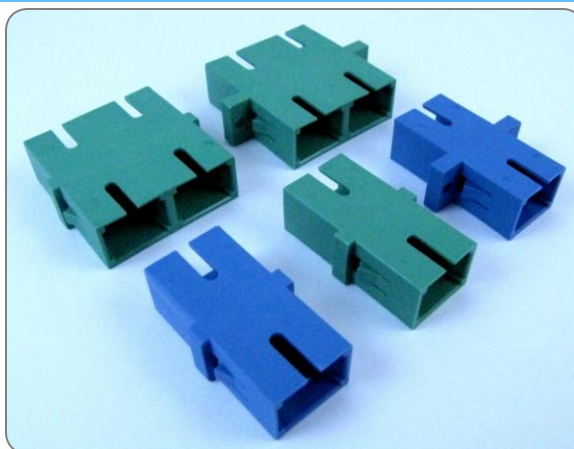
Amphenol's new and improved, complete range of premium SC adapter options provide the perfect solution for your network needs. The new one-piece plastic design is more robust than the typical two-piece design that is ultrasonically welded together. The adapters meet EIA/TIA, IEC, and Telcordia standards. Options for Amphenol patented internal shutters\* and external door shutters are available.



\*US Patent No. 6,688,780

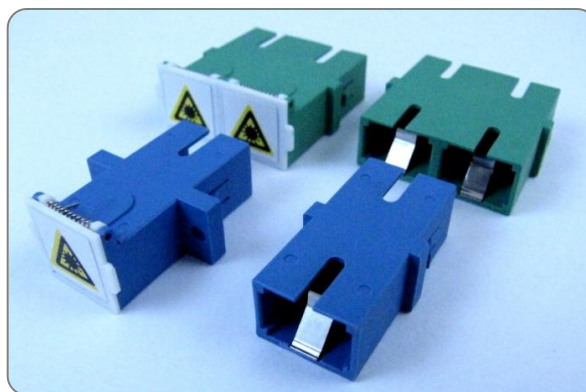
## Features/Benefits

- One piece plastic body provides improved mechanical side load performance
- Panel mounting clips molded into the plastic offer sturdy mounting support (metal mounting clip option is available upon request)
- Made of a durable plastic material to meet the temperature extremes of Telcordia GR-326 standard
- Amphenol's patented internal shutter\* option is available, as well as an external door shutter version
- Multiple flange types, colors, and alignment sleeves are available
- RoHS and REACH compliant



## SC Standard Adapter\*\*

Code		-	Type		Sleeve		-	Packaging		Configuration		Flange		Color		Mounting clip	
954	SC		18	Standard	0	Ceramic		5	Bulk packed	0	Simplex	0	No Flange	1	Blue	0	Built-in plastic
					2	Phosphor Bronze				2	Duplex	1	Flange	3	Green		
														E	Beige		
														C	Aqua		
														8	Black		



## SC Shutter Adapter\*\*

Code		-	Type		Sleeve		-	Packaging		Configuration		Flange		Color		Mounting clip	
954	SC		19	Internal Shutter	0	Ceramic		5	Bulk packed	0	Simplex	0	No Flange	1	Blue	0	Built-in plastic
			17	External Door	2	Phosphor Bronze				2	Duplex	1	Flange	3	Green		
														E	Beige		
														C	Aqua		
														8	Black		

\*\*Please contact Amphenol for other configurations

## SC-FC Hybrid Adapter

Part #	Description
954-944-5001	SC-FC hybrid simplex adapter, die-cast metal, ceramic alignment sleeve
954-944-5010	SC-FC hybrid simplex adapter, die-cast metal, phosphor bronze alignment sleeve



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