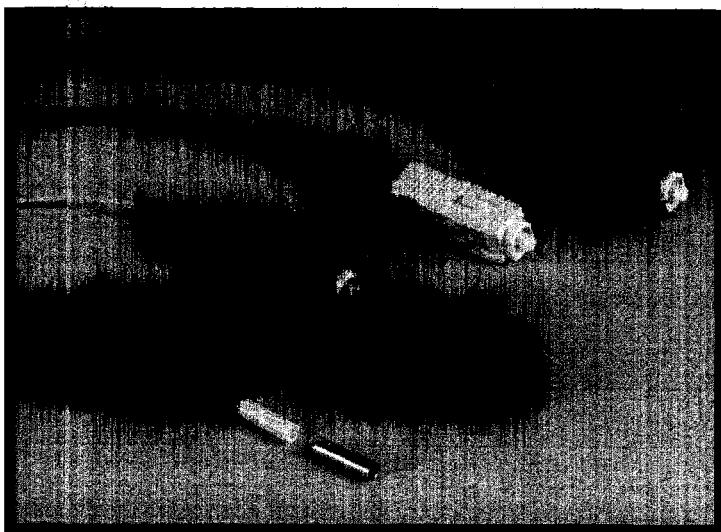


# Amphenol®

## 954 Series One Piece SC Connectors & Adapters



### Specifications

#### Connection Loss:

9/125  $\mu$ m fiber 0.19 dB typical

62.5/125  $\mu$ m fiber 0.15 dB typical

**Durability:**  $\leq 0.20$  dB change after 500 mating cycles

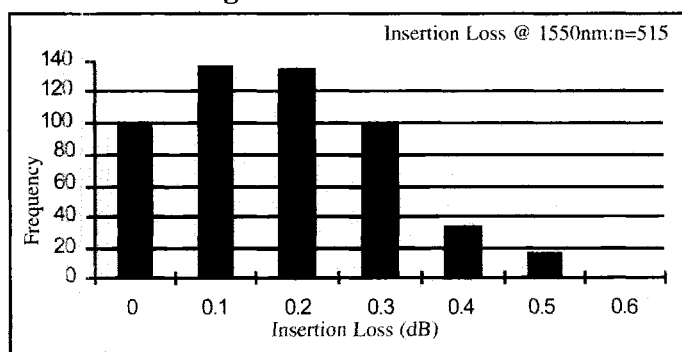
**Directivity:**  $\leq -55$  dB

**Operating Temperature:**  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$

### Intermateability

The Amphenol 954 series SC connectors and adapters are mechanically and optically intermateable with NTT SC type products and conform to JIS C 5973.

**Single Mode SC Connector**



The 954 series one piece SC connector is designed to greatly improve termination time and yield over conventional multipiece SC connectors. The push-pull coupling method enables easy insertion and removal of the connector making it ideal for high density interconnect applications.

### Applications

- ♦ Telephony, Long Distance and Local Loop Networks
- ♦ CATV Networks and Local Area Networks
- ♦ Laser and LED Pigtailed
- ♦ Instrumentation
- ♦ Medical, Laser Delivery

### Features

- ❑ One piece construction reduces termination time.
- ❑ Optically non-disconnecting design prevents signal interruption.
- ❑ The highly concentric precision zirconia ferrules are preradiused to minimize insertion loss and back reflection.
- ❑ A variety of connector and adapter styles are available to meet all application requirements.
- ❑ Available in single mode and multimode versions.
- ❑ The 954 series SC connector can be field installed using the Amphenol Universal Termination Procedure (UTP) in five to seven minutes.
- ❑ All connectors are supplied with a 3 mm diameter bend relief boot and a 900  $\mu$ m bare fiber bend relief boot.

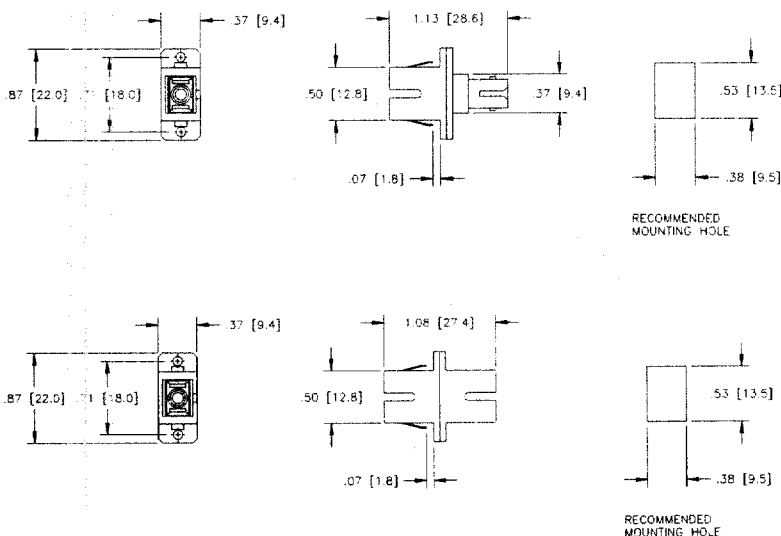
## Order Information

| Part Number  | Description                                                                                         | Single Mode<br>Multimode |
|--------------|-----------------------------------------------------------------------------------------------------|--------------------------|
| 954-101-5005 | SC Connector, Single Mode, 125 $\mu$ m, Zirconia PC Ferrule                                         | sm                       |
| 954-101-5006 | SC Connector, Single Mode, 126 $\mu$ m, Zirconia PC Ferrule                                         | sm                       |
| 954-101-5305 | SC Connector, Single Mode, 125 $\mu$ m, Zirconia PC Ferrule, High Performance Boot                  | sm                       |
| 954-101-5306 | SC Connector, Single Mode, 126 $\mu$ m, Zirconia PC Ferrule, High Performance Boot                  | sm                       |
| 954-101-5515 | SC Connector, Single Mode, 125 $\mu$ m, Zirconia PC Ferrule, Optical Disconnecting-Easy Termination | sm                       |
| 954-101-5516 | SC Connector, Single Mode, 126 $\mu$ m, Zirconia PC Ferrule, Optical Disconnecting-Easy Termination | sm                       |
| 954-101-5010 | SC Connector, Multimode, 128 $\mu$ m, Zirconia PC Ferrule                                           | mm                       |
| 954-101-5011 | SC Connector, Multimode, 144 $\mu$ m, Zirconia PC Ferrule                                           | mm                       |
| 954-122-5002 | SC Adapter, Multimode, Phosphor Bronze Alignment Sleeve                                             | mm                       |
| 954-120-5000 | SC Adapter, Zirconia Ceramic Alignment Sleeve                                                       | sm/mm                    |
| 954-120-5001 | SC Adapter, Phosphor Bronze Alignment Sleeve                                                        | sm/mm                    |
| 954-944-5000 | SC/FC Converting Adapter, Phosphor Bronze Alignment Sleeve                                          | sm/mm                    |
| 954-944-5001 | SC/FC Converting Adapter, Zirconia Ceramic Alignment Sleeve                                         | sm/mm                    |
| 954-953-5000 | SC/ST Converting Adapter, Zirconia Ceramic Alignment Sleeve                                         | sm/mm                    |
| 954-953-5001 | SC/ST Converting Adapter, Phosphor Bronze Alignment Sleeve                                          | sm/mm                    |

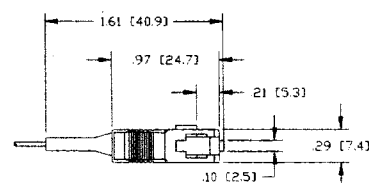
## Package Dimensions

Units: inches [mm]

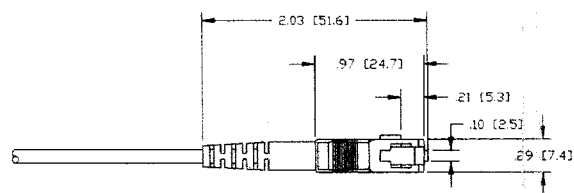
## SC Adapters



## SC Connector



## High Performance Boot



## Amphenol Fiber Optic Products

1925 A Ohio Street  
Lisle, Illinois 60532  
Tel: (630) 810-5800 or 800-944-6446  
Fax: (630) 810-5640

## International Offices

Australia (61 8) 341 0665  
Austria (43 1) 985 1511  
Belgium (32) 2 377 25 49  
Canada (416) 291 4401  
England (44 1227) 773 200

France (33) 1 490 053000  
Germany (49) 7131 9290  
Hong Kong (852 2) 699 2663  
India (91 212) 790 363  
Italy (39 2) 939 04192

Japan (81 3) 3263 5611  
Netherlands (31) 30 63 58019  
Singapore (65) 743 3022  
Sweden (46) 859 077100  
Taiwan (886 3) 379 5677

**Notice:** Specifications are subject to change without notice. Contact your nearest **Amphenol** sales office for the latest specification. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty or responsibility of any kind, express or implied. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated or that other measures may not be required. **Amphenol** is a registered trademark.

