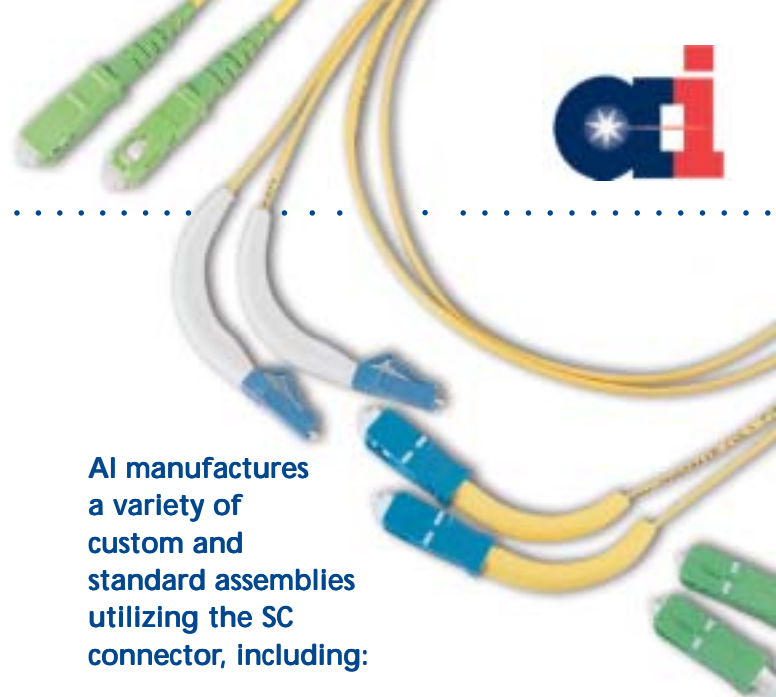


# SC connector assemblies



AI's SC connector assemblies are available with multimode or singlemode cable and in simplex and duplex versions that can be terminated onto any type of cable. Standard assemblies provide low insertion loss and back reflection in an industry standard package. AI's SC connectors provide a pull proof design with a free-floating ceramic ferrule that meet both industry standard and customer defined specifications.

## Applications

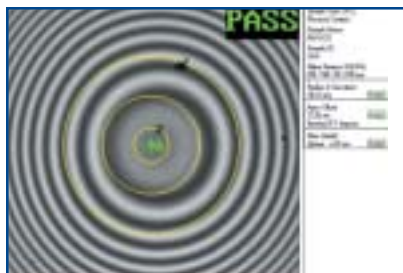
- > CATV
- > Telecommunication networks
- > Data networks
- > Industrial environments
- > Active device termination

## Features

- > Available for multimode and singlemode
- > Low back reflection and insertion loss
- > Ceramic ferrule
- > Convenient push-pull and pull-proof design
- > Tuned SC available for critical low insertion loss requirements
- > Designed to meet Telcordia requirements

## Benefits

- > ISO9001:2000 certified
- > 100% optical test
- > Large selection of approved component manufacturers
- > State-of-the-art development and test capabilities



Tuning, test data, interferometric data and custom labeling/bar coding are available on any AI assembly upon request.



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AI manufactures a variety of custom and standard assemblies utilizing the SC connector, including:

- > Duplex cable assemblies
- > Simplex pigtails
- > Hybrid assemblies
- > Custom multifiber terminated trunk cables

AI has earned its reputation for on-time delivery of quality products that meet customer specifications every time.

## Performance Specifications

### Fiber Type and Polish

50/125µm and 62.5/125µm for multimode  
9/125µm for singlemode in tuned, UPC and APC polish

### Typical/Maximum Insertion Loss

< 0.25/< 0.40 dB for multimode  
< 0.15 dB for tuned singlemode  
< 0.20/< 0.40 dB for UPC singlemode  
< 0.25/< 0.50 dB for APC singlemode

### Maximum Return Loss

-55 dB for tuned singlemode fiber  
-55 dB for UPC singlemode fiber  
-65 dB for APC singlemode fiber

Data is for informational purposes only and is subject to change. Please contact our sales department or refer to our website for current information.