

## SC ONE-PIECE CONNECTORS

SENKO provides a variety of Subscription Channel (SC) connectors and adapters. The SC is known for its locking mechanism that gives an audible click when pushed into the adapter. This push-pull design prevents rotational misalignment.

The SC connector family includes the Physical Contact (PC) pre-dome polished ferrule endface that reduces back reflection over a ferrule with a flat endface. To further reduce the unwanted back reflection, SENKO offers the Angled Physical Contact (APC) version that has a ferrule endface with an 8° angle. The APC version is available in either a conical or step endface. The SENKO SC connector features zirconia ceramic ferrules, is fully compatible with NTT-SC hardware, and allows four-position tuning for applications requiring precise fiber alignment (singlemode type only).

### APPLICATIONS

- CATV
- Metro
- Active device termination
- Test equipment
- Telecommunication networks
- Local Area Networks (LANs)
- Data processing networks
- Premise installations
- Wide Area Networks (WANs)
- Industrial, medical & military

### FEATURES

- Compliance with Telcordia, ANSI, IEC, TIA/EIA, NTT and JIS specifications\*
- Low insertion loss & back reflection\*
- One-piece construction & pull-proof design
- Free-floating ceramic ferrule
- Precision anti-rotation key and corrosion resistant body
- UL-rated plastic housing and boots in a variety of colors
- Telcordia style boots
- Adapters with choice of metal or plastic housing, mount styles & flange options

\* When terminated using SENKO recommended procedures.



SC-PC Connector



SC-APC Connector

### SPECIFICATIONS (SC Connectors)

	SINGLEMODE	MULTIMODE
Insertion Loss	0.12dB typical	0.15dB typical for multimode
Return Loss	≥ 55dB typical (PC) ≥ 68dB typical (APC)	
Durability	<0.1dB typical change, 500 matings*	<0.1dB typical change, 500 matings*
Operating Temperature	-40°C to +75°C	-40°C to +75°C
Ferrule Hole Sizes	126µm +1/-0 Concentricity: ≤ 1µm 125µm +1/-0 Concentricity: ≤ 1µm 125.5µm +1/-0 Concentricity: ≤ 1µm	127µm (MM) 144µm (MM) 230µm (MM)

\*Using SM fiber cable assembly.

Specifications shown above were obtained using SENKO recommended products and procedures.

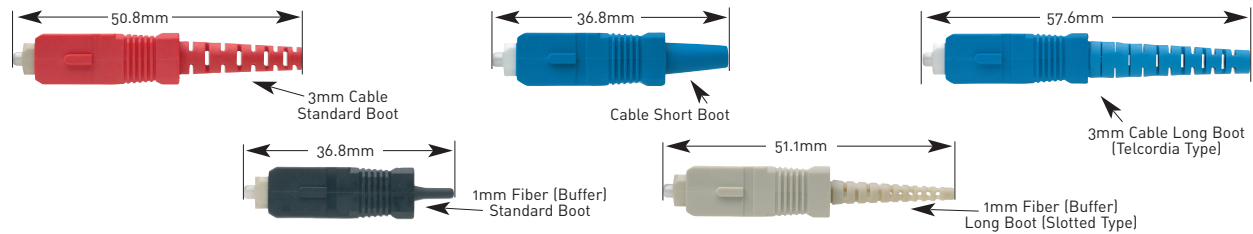
CONTACT **SENKO Advanced Components**

Email: [Sales@senko.com](mailto:Sales@senko.com) URL: <http://www.senko.com>

USA-MA	Tel. +1-888-32-SENKO	JPN	Tel. +81 (0)3 5825 0911
USA-CA	Tel. +1-858-623-3300	HKG	Tel. +852 2121 0516
UK	Tel. +44 (0)118 982 1600	AUS	Tel. +61 (0)3 9755 7922
ITA	Tel. +39 011 660 6011	CN	Tel. +86 755 8347 8956

Specifications may change without notice.

## SC CONNECTORS - PC APPLICATIONS

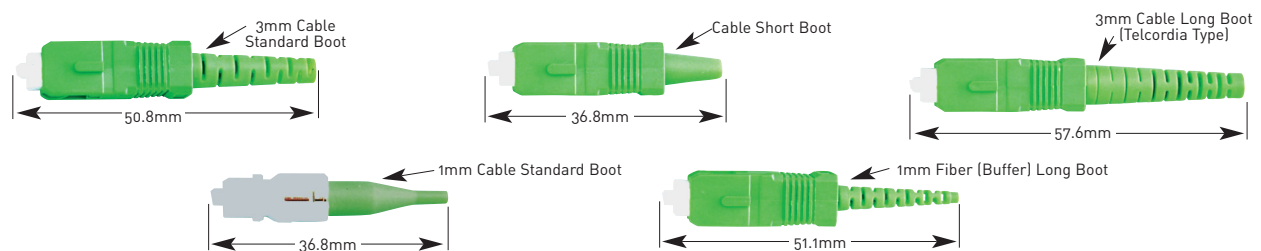


### ORDER CODE (SC-PC Connector)

CONNECTOR	FERRULE I.D.	HOUSING	BOOT	BOOT COLOR
254 Premium	191 SM: 125.5µm	6 Blue	1 3.0mm Cable Standard	1 Blue
	192 SM: 126µm	7 Black	2 1.0mm Fiber (Buffer)	2 Black
	193 SM: 125µm	8 Red	3 2.0mm Fiber	3 Green
	291 MM: 127µm	9 Beige	4 3.0mm Cable Short	4 Red
	292 MM: 230µm		5 2.4mm Cable Short	5 Gray
	293 MM: 144µm		6 2.0mm Cable Short	6 Yellow
			7 3.0mm Cable Long	7 White
			8 1.0mm Fiber (Buffer) Long	8 Beige
			9 2.0mm Cable Standard	
	A 2.0mm Cable Long			

NOTE: Add 1.6 to order code to specify crimp ring for 1.6mm cable option. UL 94V-0 boots available. Custom configurations available upon request. SC connectors come standard with SENKO logo housing unless otherwise noted.

## SC CONNECTORS - APC APPLICATIONS



### ORDER CODE (SC-APC Connectors)

FERRULE TYPE	FERRULE I.D.	POLISH	BOOT
291 Step	191 SM: 125.5 µm	1 No Angle	1 3.0mm Cable Standard
294 Conical	192 SM: 126µm	2 8° Pre-Angle	2 1.0mm Fiber (Buffer)
	193 SM: 125µm		3 2.0mm Fiber
			4 3.0mm Cable Short
			5 2.4mm Cable Short
			6 2.0mm Cable Short
			7 3.0mm Cable Long
			8 1.0mm Fiber (Buffer) Long
			9 2.0mm Cable Standard
			A 2.0mm Cable Long

NOTE: Add 1.6 to order code to specify crimp ring for 1.6mm cable option. UL 94V-0 boots available. Custom configurations available upon request. SC Connectors come standard with SENKO logo housing unless otherwise noted.

Specifications may change without notice.

USA-MA	Tel.+1-888-32-SENKO	JPN	Tel.+81 (0)3 5825 0911
USA-CA	Tel.+1-858-623-3300	HKG	Tel.+852 2121 0516
UK	Tel.+44 (0)118 982 1600	AUS	Tel.+61 (0)3 9755 7922
ITA	Tel.+39 011 660 6011	CN	Tel.+86 755 8347 8956