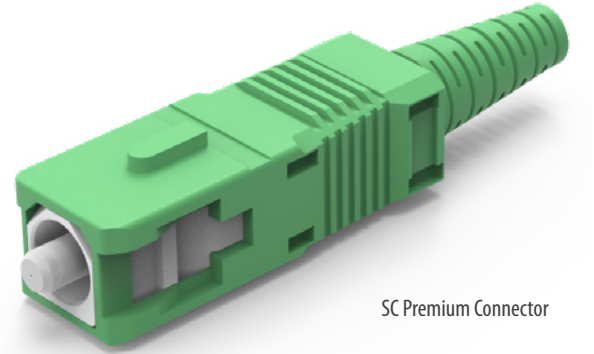


SC PREMIUM CONNECTOR (UPC / APC) 254/291/294 Series



SC Premium Connector

SENKO's SC Premium connector is the flagship connector within the SENKO SC Connector range, with industry leading low loss performance offering industry leading premium, repeatable optical performance and quality.

It has been specifically designed and optimized to meet the most demanding of applications to give class leading low loss performance. It uses high quality components and keying features to achieve the best possible fiber to core-to-core alignment, dramatically minimizing the effect of apex offset and achieving superior insertion loss and return loss results.

The SENKO SC Premium connector has been extensively tested to ensure it meets and exceeds the GR-326 CORE and the enhanced test levels of the Verizon FOC TPR9409 specification.

As with all SENKO SC Connector ranges, the SC Premium it is fully compliant to IEC 61754-4 with a push pull mechanism and 2.5 mm ferrules. It incorporates a push pull mechanism and can be configured to suit multiple cable types and single-mode and multimode fiber.

FEATURES

- Fully compliant with IEC 61754-4
- Push-pull coupling mechanism for repeatable and simple installation.
- Multiple cable boot types available
- Housing and boots can be color-coded
- Typical Low Loss IL 0.05dB
- Meets and exceeds the requirements of Verizon FOC TPR 9409
- GR-326 qualified

APPLICATIONS

- Data center networks
- Telecommunications networks
- FTTX networks
- Premise distribution networks
- Industrial and defense systems

KEY BENEFITS

- ✓ **Industry leading Low Loss performance**
- ✓ **Reliable performance even in extreme temperatures**
- ✓ **Excellent manufacturability yields**

Mechanical Data

	Value
Durability	500 matings per TIA-568.3
Cable Suitability	900 µm up to 3.0 mm
Boot Size	900 µm, 2.0 mm, 3.0 mm
Boot Type	Standard, long, mini, flex angle
Ferrule Material	Zirconia

Optical Data

	Singlemode				Multimode
	UPC		APC		MM
	Low Loss	Premium	Low Loss	Premium	Premium
Typical Insertion Loss (dB)*	0.05	0.08	0.07	0.12	0.10
Max. Insertion Loss (dB)*	0.15	0.20	0.15	0.25	0.20
Typical Return Loss (dB)*	≥55		≥65		≥25
Ferrule Diameter (μm)	125				127

* Based on master grade jumper to low loss random mating test

Environmental Data

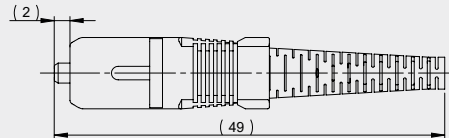
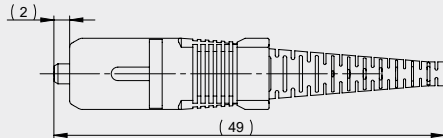
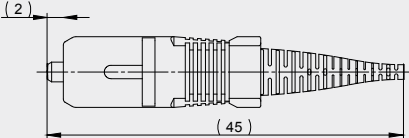
	Value
Operating Temperature	-40°C to +75°C
RoHS Compliance	Yes
REACH Compliance	Yes
Humidity Resistance	95%

Connector Drawing

900 μm Mini Boot

2.0 mm Mini Boot

3.0 mm Mini Boot

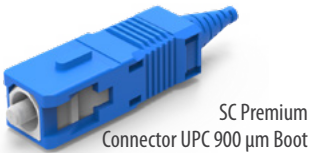


Note: 1. All dimensions are in mm.

2. Other boot options are available upon request.

3. Specifications subject to change without notice.

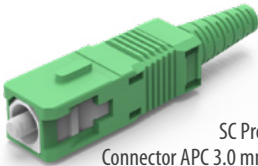
ORDERING



SC Premium
Connector UPC 900 μm Boot

CONNECTOR		FERRULE TYPE		HOUSING		BOOT TYPE		BOOT COLOR	
254	SC Premium Connector UPC	193	SM Premium 125μm	5	Aqua	7	Long 3.0 mm	1	Blue
		198	SM Low Loss 125μm	6	Blue	A	Long 2.0 mm	2	Black
		291	MM Premium 127μm	7	Black	M	Standard 900 μm	3	Green
				8	Red	N	Standard 2.0 mm	4	Red
				9	Beige	P	Standard 3.0 mm	6	Yellow
						J	MINI 900 μm	7	White
						K	MINI 2.0 mm	8	Beige
						L	MINI 3.0 mm	9	Aqua
						F	Flex Angle Boot 3.0 mm		
						G	Flex Angle Boot 2.0 mm		

Note: Other ferrule ID size are available - SM 81μm SM 125.5μm MM 230μm MM 144μm



SC Premium
Connector APC 3.0 mm Boot

CONNECTOR		FERRULE TYPE		POLISH		BOOT TYPE	
291	SC Premium Connector APC Step	193	SM Premium 125μm	1	No Angle	7	Long 3.0 mm
294	SC Premium Connector APC Cone	198	SM Low Loss 125μm	2	8° Pre-Angle	A	Long 2.0 mm
						M	Standard 900 μm
						N	Standard 2.0 mm
						P	Standard 3.0 mm
						J	MINI 900 μm
						K	MINI 2.0 mm
						L	MINI 3.0 mm
						F	Flex Angle Boot 3.0 mm
						G	Flex Angle Boot 2.0 mm

Note: Other ferrule ID size are available - SM 81μm SM 125.5μm

291

193

17

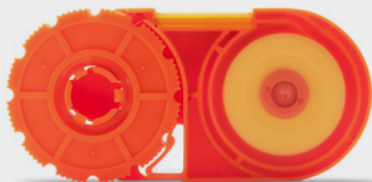
ORDER CODE example

Accessories - Production/Cleaning

Smart CleanerTM

Cassette

PN: SCK-CC-100



Smart CleanerTM

2.5 mm Clicker

PN: SCK-SS-250

Refill PN: SCK-SS-250-R



SC Crimp Tool

PN: CRT-401 SC, FC, ST One Piece Connectors

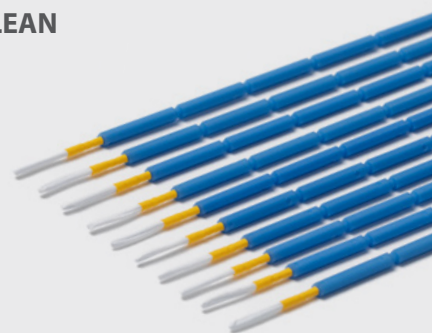
CRT-501 SC Connector Kit 132 Series

CRT-705 SC/LC 1.2 mm Connector



2.5 mm NEOCLEANTM Cleaning Stick

PN: CSK-02



Accessories - Interferometry

SUMIX Max W+ Inspection Scope

PN: SMX-MANTA-W+



The MANTA W+ inspection scope is designed for high-performance inspection of all types of single fiber and multi-fiber optical connectors, patch cords and bulkheads. The MANTA HM inspection scope is used to detect scratches, contamination and other surface defects as small as 0.75 μm on the end face of the connector.

SUMIX Max QM+ Inspection Scope

PN: MAX-QM+



The MAX-QS+ is a white-light and phase-shift interferometer for inspection of single fiber ST, FC, SC, LC, CS, SN, E2000TM (PC and APC), small format multi-fiber MT-RJ (PC and APC), SMA and special connectors. MAX-QS+ features portable design, autofocus, 100 micron scan range for fiber height and resolution of 1.1 μm .

Contact sales@senko.com
or visit our website for more details

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