

SC Connectors Family

The full name of SC Connector is Subscription Channel connector, which is originally developed by NTT. It's a push-pull connector with a square body of injection molded thermo-plastic. It has an easy-to-use push to insert and pull to remove locking mechanism, which prevents rotational misalignment. And an audible click lets you know that the connector is fully engaged. It has become known as a popular industry standard connector, and can be duplex with a clip.

SAISO SC connectors are available with high quality ferrules of singlemode as physical contact(PC), angled physical contact(APC), and Multi-mode physical contact(PC) ferrules, in together of different colors housing, types of boots. SAISO is providing Standard and Premium two levels for choices, which are better to meet your different applications and requirements.

Ⓞ Features

- Easy-to-use, push and pull locking mechanism
- Low insertion and back reflection loss
- One-piece construction & pull-proof design
- Different colors housing and types of boots with UL-Rated
- Available with angled boot and SC 4.8mm connector
- Compliance with Telcordia, TIA/IEA, IEC and JIS

Ⓞ Specification

Item	Singlemode		Multimode	
	Insertion Loss	Standard	0.12dB Typical	Standard
	Premium	0.08dB Typical	Premium	0.15dB Typical (127μm)
Return Loss	≥55dB Typical (PC)		≥30dB (PC)	
	≥65dB Typical (APC)			
Durability	≤0.1dB typical change, 500 matings		≤0.1dB typical change, 500 matings	
Ferrule Hole Sizes (Custom sizes available)	125μm +1/-0, Concentricity: ≤1μm		127μm, Concentricity: ≤4μm	
	125.5μm +1/-0, Concentricity: ≤1μm			
Operating Temperature	-40°C to +75°C		-40°C to +75°C	

*The above Specifications were obtained by using SAISO recommended products and procedures.

SC/UPC Standard Connectors



900μm Standard



2.0mm Standard



3.0mm Standard

Connector		Ferrule Type		Boot Size		Housing Color		Boot Color		Boot Type	
310	SC/UPC 1pc	201	SM Standard 125μm	1	0.9mm	L	Blue	W	White	T	Standard
		203	SM Premium 125μm	2	2.0mm	B	Beige	L	Blue	S	Short
		405	MM Premium 127μm	3	3.0mm	A	Aqua	R	Red	D	Telcordia(2.0/3.0)
						V	Violet	Y	Yellow	A	Angled(2.0/3.0)
						R	Red	K	Black		
						K	Black	G	Green		
				Y	Yellow						

Ordering Example: 310-201-3LLT

SC/APC Standard Connectors



900µm Standard



2.0mm Standard



3.0mm Standard

Connector		Ferrule Endface		Ferrule Type		Boot Size		Boot Type	
318	SC/APC 1pc	C	Conical, No Angle	201	SM Standard 125µm	1	0.9mm	T	Standard
		D	Conical, 8° Degree	203	SM Premium 125µm	2	2.0mm	S	Short
		S	Step, No Angle			3	3.0mm	D	Telcordia(2.0/3.0)
		A	Step, 8° Degree					A	Angled(2.0/3.0)

Ordering Example: 318-201-3T-T



SC Duplex Standard Clip

Clip		Clip Channel		Color	
300	SC Clip	1	For Standard	G	Green
		2	For Premium	L	Blue
				B	Beige

Ordering Example: 300-1L

SC Adapters

SAISO provides a complete line of SC Adapters, with our high performance sleeves and plastic body, it performs well under high temperature and withdrawal force.

SAISO SC Adapters are available both of singlemode and multimode with a zirconia sleeves or phosphor bronze sleeves, come as simplex, duplex with its plastic body with or without flange, at different housing colors. Along with the standard SC adapters, the One Piece, Shutter and Metal Housing SC adapters are all available. SAISO is providing SC Adapters with Standard and Premium two quality levels for choices, to better suit different applications and requirements.

Ⓞ Features

- High precision alignment
- Low insertion loss
- High quality sleeves be used in solid plastic adapter body
- Choice of metal or plastic housing, mount styles & flange options
- Shutter option for eye protection of laser
- Telcordia, TIA/IEA, IEC and JIS compliance

Ⓞ Specification

Item	Value
Insertion Loss	Zirconia Sleeve: 0.10dB typical, ≤0.20dB Max Phosphor Bronze Sleeve: 0.15dB typical, ≤0.30dB Max
Durability	≤0.1dB typical change, 500 matings
Sleeve/Ferrule Withdrawal Force	2.0N ~ 5.9N (200gf ~ 600gf)
Operating Temperature	-40°C to +75°C

*The above Specifications were obtained by using SAISO recommended products and procedures.

*Measured using JDSU meter and Master Jumper.



Simplex, With Flange, Green



Simplex, With Flange, Aqua



Duplex, With Flange, Blue

Adapter		Fiber Channel		Sleeve		Flange		Color	
335	Standard	1	Simplex	1	Zirconia	1	With Flange	L	Blue
		2	Duplex	2	Phosphor Bronze	2	No Flange	G	Green
								B	Beige
								A	Aqua
								K	Black

Ordering Example: 335-111G



One Piece, Simplex, Blue



One Piece, Simplex, Green



Shutter, Simplex, Green

Adapter		Fiber Channel		Sleeve		Flange		Color	
330	One Piece	1	Simplex	1	Zirconia	1	With Flange	L	Blue
		2	Duplex	2	Phosphor Bronze	2	No Flange	G	Green
								B	Beige
								A	Aqua
								K	Black

Ordering Example: 330-112G