FC Connectors Family

The FC Connector named as Fixed Connection Connector, which is originally developed by Seiko Instruments. It is one of the most popular connectors, because of its rugged metal housing, designed for use in unstable environments which provides a secure connection. The FC is a screw-in (thread) connector and has to be turned to make or break connection.

The SAISO FC connector is available in both singlemode and multimode versions, and fully intermateable with NTT-FC products. Both singlemode and multimode have zirconia ferrules with pre-radiused PC profile and convex spherical end, or the 8o angle (SM) in a step or conical endface for the APC version. All our FC connectors are able to achieve low optical loss and back reflection while ensuring maximum repeatability. FC 1pc Connector and FC Connector kits are available for choices from us.

◎Features

- Metal screw-in(thread) housing makes a secure connection
- Precision anti-rotation key and corrosion resistant body
- Low insertion and back refiection loss
- Free-fioating ceramic ferrule
- Available with a full range of UL-rated FC boots
- Compliance with Telcordia, TIA/IEA, IEC and JIS

◎Specification

Item	Singlemode		Multimode	
Insertion Loss	Standard	0.12dB Typical	Standard	0.20dB Typical (127μm)
	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: ≤μm			
Operating Temperature	-40°C to +75°C		-40°C to +75°C	

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

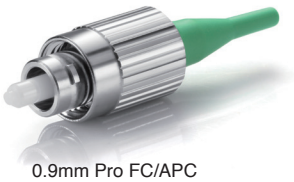
FC/UPC Premium Connectors

0.9mm Pro FC/UPC

Connector		Fiber Channel		Boot Size		Boot Color		Boot Type	
597	FC/UPC 1pc	201	SM Standard 125μm	1	0.9mm	L	Blue	T	Standard
		205	SM Premium 125μm	2	2.0mm	B	Beige	R	Rubber(2.0/3.0)
		405	MM Premium 127μm	3	3.0mm	K	Black		
						R	Red		
						Y	Yellow		

Ordering Example: 597-202-2KR

FC/APC Premium Connectors

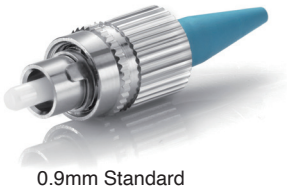


0.9mm Pro FC/APC

Connector		Ferrule Endface		Ferrule Type		Boot Size		Boot Type	
598	FC/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	R	Rubber(2.0/3.0)
		S	Step, No Angle			3	3.0mm		
		A	Step, 8° Degree						

Ordering Example: 598-S201-1T

FC/UPC Standard Connectors



0.9mm Standard

3.0mm Standard

Connector		Fiber Channel		Boot Size		Boot Color		Boot Type	
521	FC/UPC 1pc	201	SM Standard 125μm	1	0.9mm	L	Blue	T	Standard
		205	SM Premium 125μm	2	2.0mm	B	Beige	R	Rubber(2.0/3.0)
		405	MM Premium 127μm	3	3.0mm	K	Black		
						R	Red		
						Y	Yellow		

Ordering Example: 521-202-2KR

FC/APC Standard Connectors

0.9mm APC Standard

3.0mm APC Standard

Connector		Ferrule Endface		Ferrule Type		Boot Size		Boot Type	
528	FC/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	R	Rubber(2.0/3.0)
		S	Step, No Angle			3	3.0mm		
		A	Step, 8° Degree						

Ordering Example: 528-C201-1T