Premium Ferrules - SC FC ST

Zirconia Ferrules are the key important subcomponent within the single-fiber optic connectors, The ferrule protects the fiber from mechanical damage and aligns it, with the end of the fiber at the mating end of the ferrule. A connector body bonded to the cable structure holds the ferrule. Zirconia ferrules offer the highest performance and durability of all ferrule material types.

SAISO provides the high performance Zirconia Ferrules, which is precision manufactured according to our strictly quality standards, makes to reach the ultra low insertion loss and back reflection at the superior durability and repeatability. They are available with Flat, Pre-domed PC, and Angled Physical Contact (APC) in conical or step endface. Custom ferrule I.D. or configurations are available upon request.

◎ Features

- Ultra low insertion loss and back refiection
- High performance and superior durability
- APC in conical or step configurations
- Standard and custom configuration available

◎ Specification

Item	Singlemode (SC, FC, ST)	Multimode (SC, FC, ST)
Material	Zirconia	
Concentricity (Standard)	Singlemode ≤1μm	Multimode ≤4 Micron
Inner Diameter Tolerance	Singlemode +1/-0 Micron	Multimode +4/-0 Micron
Outer Diameter Tolerance	Singlemode ±0.5 Micron	Multimode ±1 Micron
Length Tolerance (No flange)	10.5 ±0.05mm (SC, FC)	10.5 ±0.1mm (SC, FC)
	12.7 ±0.05mm (ST)	12.7 ±0.1mm (ST)
Spherical Radius (Pre-dome)	20 + 5/-10	20 + 5/-10
V-Groove	60/90 ±5 degrees	60/90 ±5 degrees

SC/FC SM Ferrule,
PC, With Flange

Ferrule		Endface		ID		Flange	
CS	SC/FC SM	PC	Pre-dome	125	125μm	NF	No Flange
				255	125.5μm	FL	4 Slot Flange
				126	126μm		

Ordering Example: CS-PC125-FL

SC/FC SM Ferrule,
APC Conical, With Flange

SC/FC SM Ferrule,
APC Step, With Flange

Ferrule		Endface		ID		Flange	
CS	SC/FC SM	AS	APC Step	125	125μm	NF	No Flange
		AC	APC Conical	255	125.5μm	FL	APC Flange, 1.35mm keywidth
				126	126μm		

Ordering Example：CS-AS125-FL

SC/FC MM Ferrule,
PC, With Flange

Ferrule		Endface		ID		Flange	
CM	SC/FC MM	PC	Pre-dome	127	127μm	NF	No Flange
				144	144μm	FL	4 Slit Flange
				230	230μm		

Ordering Example：CM-PC127-FL

ST SM Ferrule, No Flange

Ferrule		Endface		ID		Flange	
TS	ST SM	PC	Pre-dome	125	125μm	NF	No Flange
TM	ST MM			126	126μm	FL	ST Flange
				127	127μm		

Ordering Example：TS-PC125-NF