

## **FC PREMIUM CONNECTOR**

### **UPC and APC**

### **351 / 292 / 293 Series**



FC Premium  
Connector UPC/APC

SENKO's FC Premium Connector Series features a vibration-resistant threaded coupling that surpasses GR-326-CORE standards and meets Grade B IEC61753-1 random mating requirements. Available in UPC or APC polishes, it offers superior low loss single-mode performance with typical insertion loss of 0.05 dB against the master. It includes a four-direction tuning ferrule to improve random mating insertion loss and accommodates cable diameters from 900 µm to 3 mm. SENKO's Premium FC Connector is ideal for quality, performance, and reliability.

#### FEATURES

- Threaded coupling mechanism
- High mechanical stability
- Precision alignment ferrules
- Boot options 900 µm to 3 mm
- UPC and APC versions

#### APPLICATIONS

- Telecommunications
- Data centers
- Test and measurement equipment
- Industrial applications
- Medical equipment
- Military and aerospace
- Broadcast
- Medical equipment

#### KEY BENEFITS

- ✓ **Secure and reliable connection**
- ✓ **High repeatability**
- ✓ **Highly stable performance**
- ✓ **Low IL and RL performance**
- ✓ **Simple termination and environmental**
- ✓ **Resistance**
- ✓ **Cost effective solution**

## Mechanical Data

	Value
Durability	<0.1 dB typical change, 500 matings
Fiber Count	Simplex (1 fiber)
Cable Suitability	900 μm to 3 mm
Ferrule Material	Zirconia

## Optical Data

	Singlemode				Multimode
	UPC	UPC	APC	APC	MM
	Low Loss	Standard	Low Loss	Standard	Standard
Typical Insertion Loss (dB)	0.05	0.08	0.07	0.1	0.1
Max Insertion Loss (dB)	0.15	0.2	0.15	0.25	0.2
Typical Return Loss (dB)	≥55		≥65		≥25
Ferrule Diameter (μm)	125 μm				127 μm

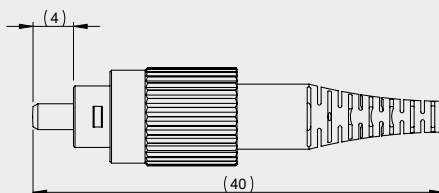
## Environmental Data

	Value
Operating Temperature	-40°C to +75°C
RoHS Compliance	Yes
REACH Compliance	Yes

# FC PREMIUM CONNECTOR

## 351 / 292 / 293 Series

### Connector Drawing



Note: 1. All dimensions are in mm.  
 2. FC - UPC 2mm MINI boot shown, other options are available.  
 3. Specifications subject to change without notice.

### ORDERING



CONNECTOR	FERRULE TYPE	BOOT TYPE	BOOT COLOR
351 Premium	103 SM: Premium 125 µm	7 Long 3.0 mm	1 Blue
	109 SM: Low Loss 125 µm	A Long 2.0 mm	2 Black
	201 MM: Premium 127 µm	M Standard 900 µm	3 Green
		N Standard 2.0 mm	4 Red
		P Standard 3.0 mm	6 Yellow
		J MINI 900µm	7 White
		K MINI 2.0mm	8 Beige
		L MINI 3.0mm	9 Aqua
		F Flex Angle Boot 3.0 mm	

351 - 103 - L6 ORDER CODE example

Note: Other ferrule ID size are available  
 SM 81 µm SM 126 µm SM 125.5 µm MM 230 µm MM 144 µm



CONNECTOR	FERRULE TYPE	FERRULE POLISH	BOOT TYPE
292 Premium Step	203 SM: Premium 125 µm	1 No Angle	7 Long 3.0 mm
293 Premium Cone	209 SM: Low Loss 125 µm	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

293 - 203 - 2A ORDER CODE example

Note: Other ferrule ID size are available  
 SM 81 µm SM 126 µm SM 125.5 µm

# SENKO<sup>®</sup>

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