

## FAOC-VF

### Folding Type Boot

#### Description

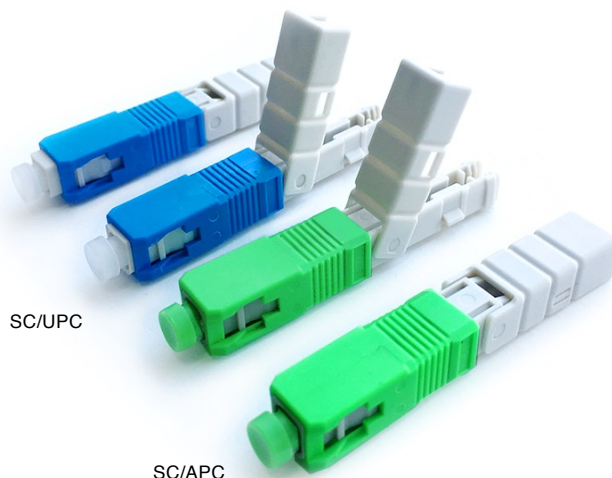
It is designed to manage secured on-site fiber connections with unique V-groove technology and 3-way cable locking system. It reduces connection defect rate by allowing re-assembling several times in the field without additional tool.

#### Feature

- Compliance with Standard TIA/EIA 604-3 (SC)
- 3-Way Cable Locking System: 0.125mm, 0.25mm, 2x3mm
- Re-Assembling:  $\Delta IL \leq 0.3\text{dB}$  ( $\geq 5$  Times) /  $\Delta IL \leq 0.5\text{dB}$  ( $\geq 10$  Times)
- Re-connection (Adapter):  $> 500$  times
- Operating Temperature:  $- 40^{\circ}\text{C}$  to  $+ 75^{\circ}\text{C}$
- Storage Temperature:  $- 40^{\circ}\text{C}$  to  $+ 85^{\circ}\text{C}$
- Relative Humidity:  $< 95\%$  RH
- Accommodating 2x3mm cable
- Installation Time: Approx. 90 sec
- Folding type boot (No screw tightening required)
- AJW's unique V-Groove design for fiber connection
- Serial No marked on the connector body including manufacturing information
- Warranty:  $\geq 12$  months

#### Physical Specification

Model	Size (mm) L x W x H	Fiber Stripping Length (Ø0.25)	Fiber Cleaving Length (Ø0.125)	Insertion Loss	Return Loss
AJW-FAOC-VF-SC/UPC	54 x 9 x 8.3	24	10	$\leq 0.3\text{dB}$	$\geq 45\text{dB}$
AJW-FAOC-VF-SC/APC	54 x 9 x 8.3	24	10	$\leq 0.3\text{dB}$	$\geq 55\text{dB}$

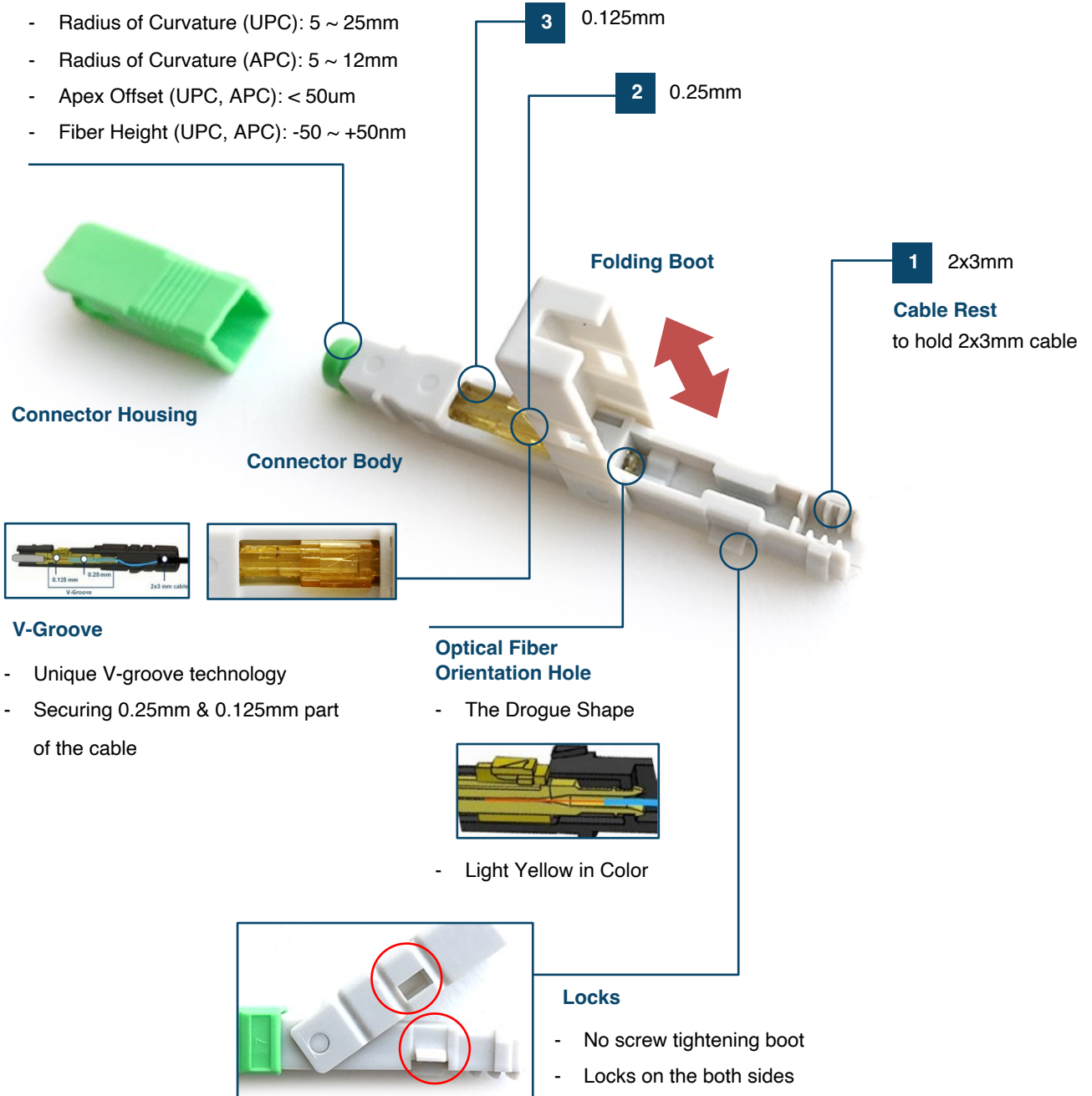


## FAOC-VF Structure

### Ferrule

- Material: Zirconia Ceramic
- Radius of Curvature (UPC): 5 ~ 25mm
- Radius of Curvature (APC): 5 ~ 12mm
- Apex Offset (UPC, APC): < 50um
- Fiber Height (UPC, APC): -50 ~ +50mm

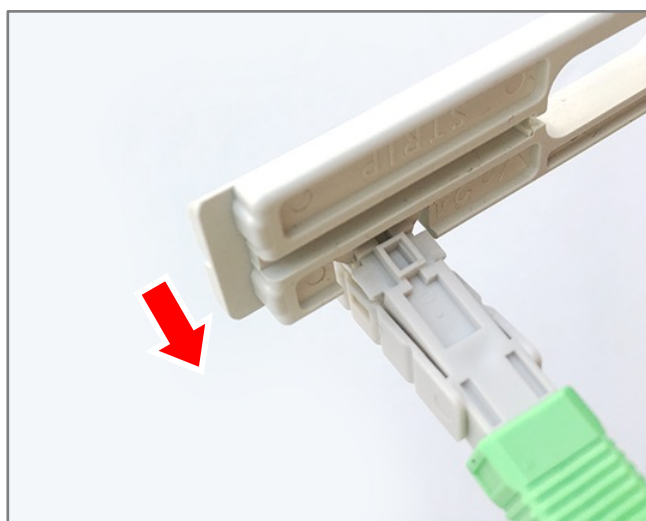
### 3-Way Cable Locking



## Application

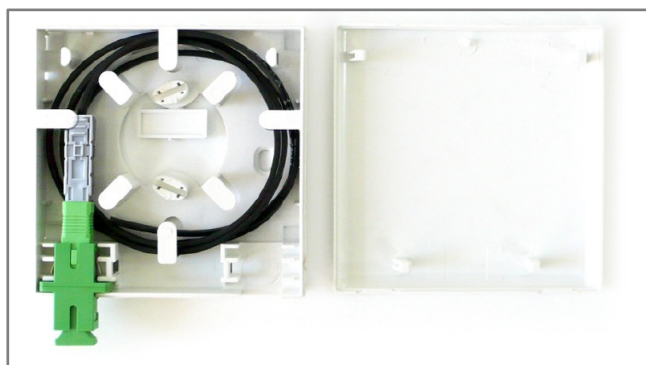
### Opening the connector

- Press the bottom of the connector using the provided multi-functional jig



### Installation

- Fitted to all ATB boxes (fiber bend radius:  $\geq 30\text{mm}$ )





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 www.ajw.co.kr

## Field Connector **FAOC-VF**

### Multi-Functional Jig



**Front**



**Back**

#### Description

This versatile, 3 in 1 jig is designed to support field termination with ease of installer. Its intuitive design offers convenience of installer to open the folding type connector, strip the fiber with comfort grip, measure the cut length and guide the fiber for cleaving.

#### Feature

- Combination of Opener, Stripper and Cleaver Guide
- No additional tools required
- Compatible with all standard cleavers

#### 3 in 1

- OPENER
- STRIPPER
- CLEAVER GUIDE

#### Physical Specification

Model	Size (mm)	Cable Strip / Cut Length	Description
FAOC-VF multi-functional jig	62 x 16 x 5.9	24 / 10	Provided for every 10 connectors



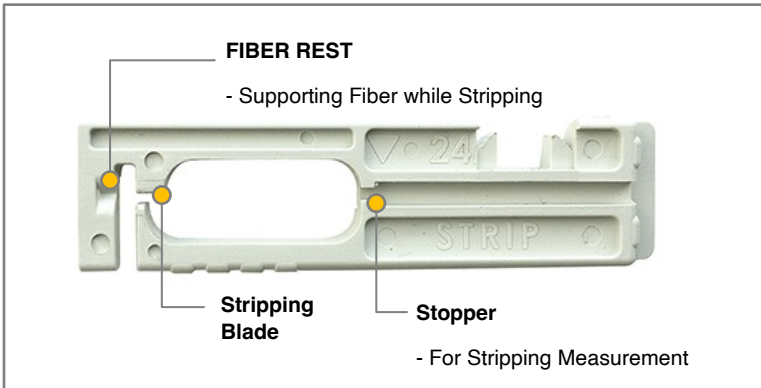
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# Field Connector **FAOC-VF**

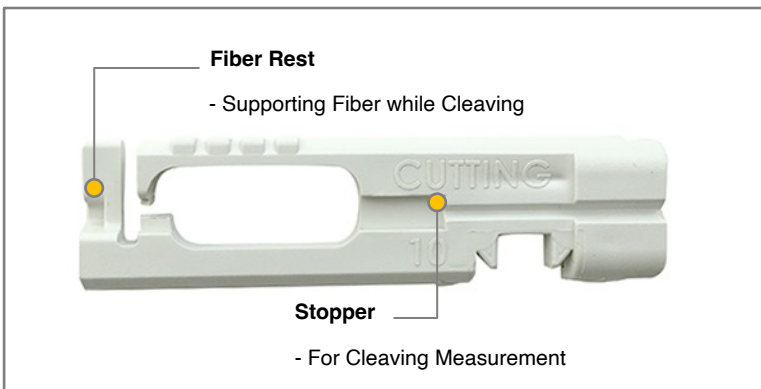
## Multi-Functional Structure



**OPENER**



**STRIPPER**



**CLAEVER GUIDE**



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## Field Connector FAOC-VF

### Standard Package

#	Model	Components
1	AJW-FAOC-VF-SC/UPC	FAOC-VF-SC/UPC unit, cleaning cloth, installation guide
2	AJW-FAOC-VF-SC/APC	FAOC-VF-SC/APC, cleaning cloth, installation guide

FAOC multi-functional jig is provided for every 10 connectors.

### Technical Specification

Category	Condition	Test Standards
Ferrule Material	Zirconia ceramic	Zirconia ceramic
Insertion Loss	-	≤ 0.3dB
Return Loss	-	SC/UPC: ≥ 45dB, SC/APC: ≥ 55dB
Vibration	Frequency range: 10-55-10Hz Amplitude: 1.52mm(±0.75mm) Cycle: 4 minutes Time: 1 hour / X.Y.Z direction	Insertion loss variation: ≤ 0.2dB
Tension	Cable: ≥ 30N	Insertion loss variation: ≤ 0.2dB
Impact	Free fall: 4 M	Insertion loss variation: ≤ 0.2dB
Repeated Connection (Re-Assembling)	≥ 5 times	Insertion loss variation: ≤ 0.3dB, No Mechanical damage
	≥ 10 times	Insertion loss variation: ≤ 0.5dB, No Mechanical damage
Repeated Connection (Adapter)	> 500 times	Insertion loss variation: ≤ 0.2dB
Temperature Cycle	Cycle: 8 hours Total: 12 cycles / 96 hours Temperature maintenance: 1 hour *Cycle: 23 → -40 → 23 → +75 → 23	Insertion loss variation: ≤ 0.5dB (before, after and during the test) Return loss: ≥ 35dB (during the test) No Mechanical damage (including transform, damage)
Temperature / Humidity Deterioration	40 °C (relative humidity : 95%) Time: 96 hours	Insertion loss variation: ≤ 0.2dB (before, after and during the test) Return loss: ≥ 40dB (during the test) No mechanical damage (including transform, damage)