



**A. J. World Co., Ltd.**  
 16, Magokjungang 14-ro, Gangseo-gu  
 Seoul, 07789, Republic of Korea  
 Tel. +82-2-567-5216 Fax. +82-2-563-2433  
[www.ajw.co.kr](http://www.ajw.co.kr)

## Field Connector **FAOC-VF**

### 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:  $\geq 10$  Times
- Re-connection (Adapter):  $> 500$  times
- Operating Temperature: - 40°C to + 75°C
- Storage Temperature: - 40°C to + 85°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
- Optical fiber standards for connection with fast connector: G.652D and G.657A1
- Operating Wavelength: 1310nm, 1490nm, 1550nm and 1260 ~ 1580nm for XGS-PON
- Made of high-quality engineered plastics
- Serial number including manufacturing date (month and year) and product type is printed on the connector body, and manufacturer name is embossed on the connector housing.
- Warranty:  $\geq 12$  months
- Lifespan:  $\geq 5$  years

#### Physical Specification

Model	Fiber Stripping Length (Ø0.25)	Fiber Cleaving Length (Ø0.125)	Insertion Loss	Return Loss
AJW-FAOC-VF-SC/UPC	24	10	$\leq 0.3$ dB	$\geq 45$ dB
AJW-FAOC-VF-SC/APC	24	10	$\leq 0.3$ dB	$\geq 55$ dB





A. J. World Co., Ltd.  
16, Magokjungang 14-ro, Gangseo-gu  
Seoul, 07789, Republic of Korea  
Tel. +82-2-567-5216 Fax. +82-2-563-2433  
www.ajw.co.kr

## Field Connector FAOC-VF

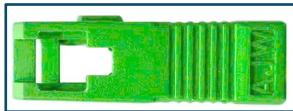
### FAOC-VF Structure

#### Ferrule

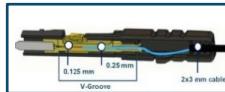
- Material: Zirconia Ceramic
- Radius of Curvature (UPC): 5 ~ 25mm
- Radius of Curvature (APC): 5 ~ 12mm
- Apex Offset (UPC, APC): 0 ~ 50um
- Fiber Height (UPC, APC): -100 ~ +100nm  
or -50 ~ +50nm



#### Connector Housing



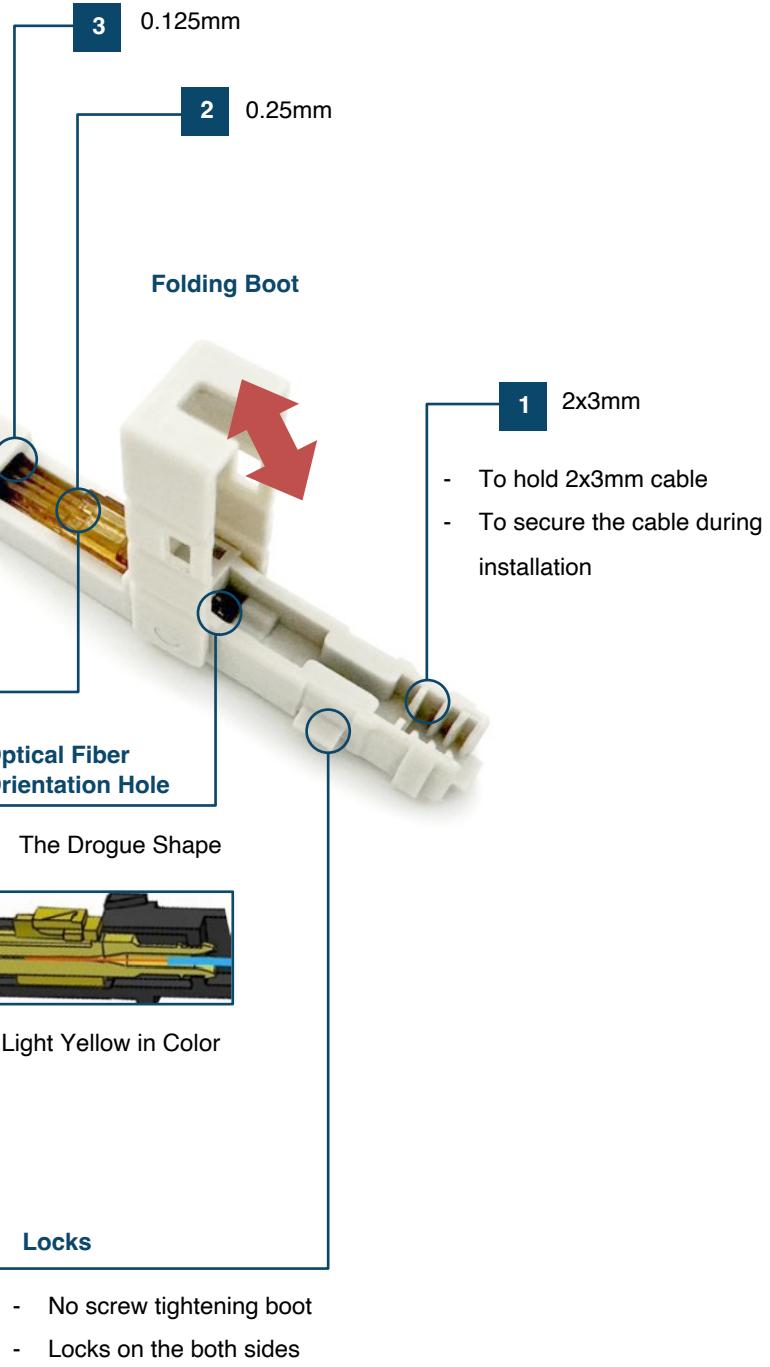
#### Connector Body



#### V-Groove

- Unique V-groove technology
- Securing 0.25mm & 0.125mm part  
of the cable

### 3-Way Cable Locking





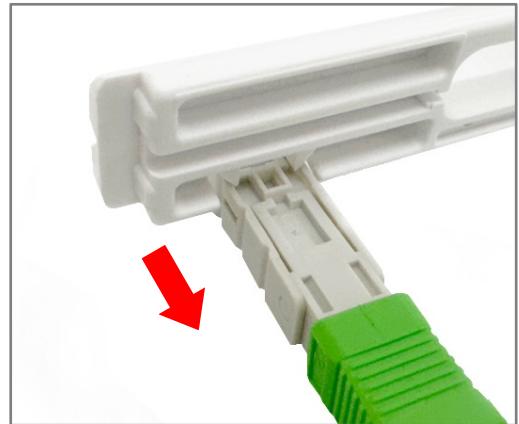
**A. J. World Co., Ltd.**  
 16, Magokjungang 14-ro, Gangseo-gu  
 Seoul, 07789, Republic of Korea  
 Tel. +82-2-567-5216 Fax. +82-2-563-2433  
[www.ajw.co.kr](http://www.ajw.co.kr)

## Field Connector **FAOC-VF**

### Application

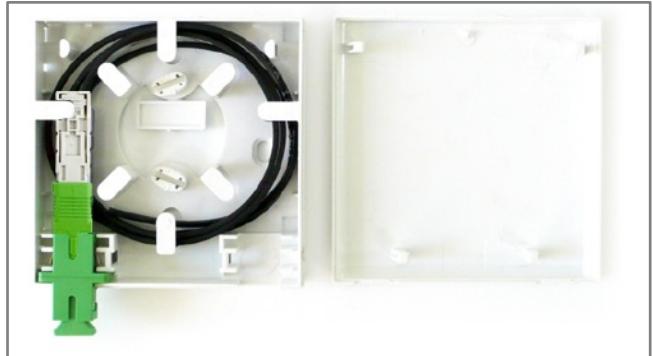
#### Opening the connector

- Press the bottom of the connector using the provided multi-functional jig
- Align the two teeth of the jig to the groove on the connector bottom and then press the jig down to open the connector for re-installation.



### Installation

- Suitable for customer termination points and outdoor termination boxes.
- Fitted to all ATB boxes (fiber bend radius:  $\geq 30\text{mm}$ )





A. J. World Co., Ltd.  
16, Magokjungang 14-ro, Gangseo-gu  
Seoul, 07789, Republic of Korea  
Tel. +82-2-567-5216 Fax. +82-2-563-2433  
www.ajw.co.kr

## Field Connector FAOC-VF

### Multi-Functional Jig



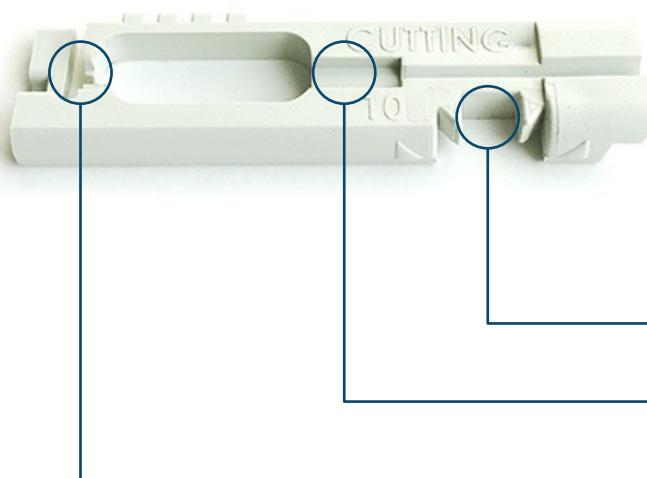
Front



Back

#### Description

This versatile, 3 in 1 jig is designed to support field terminatioin 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
- CLEAVER GUIDE
- STRIPPER

#### Physical Specification

Model	Cable Strip / Cut Length	Description
FAOC-VF multi-functional jig	24 / 10	Provided for every 10 connectors



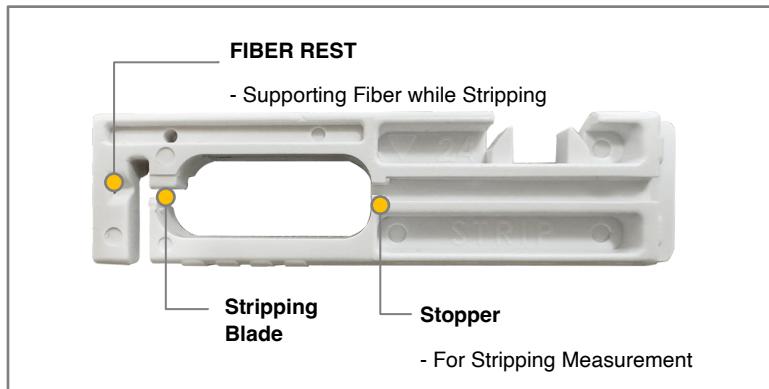
A. J. World Co., Ltd.  
16, Magokjungang 14-ro, Gangseo-gu  
Seoul, 07789, Republic of Korea  
Tel. +82-2-567-5216 Fax. +82-2-563-2433  
www.ajw.co.kr

## Field Connector FAOC-VF

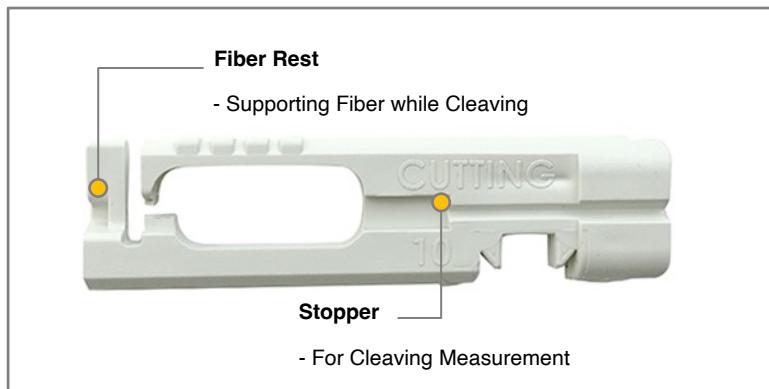
### Multi-Functional Structure



OPENER



STRIPPER



CLAEVER GUIDE



**A. J. World Co., Ltd.**  
 16, Magokjungang 14-ro, Gangseo-gu  
 Seoul, 07789, Republic of Korea  
 Tel. +82-2-567-5216 Fax. +82-2-563-2433  
[www.ajw.co.kr](http://www.ajw.co.kr)

## Field Connector FAOC-VF

### Standard Package

#	Model	Components
1	AJW-FAOC-VF-SC/UPC	FAOC-VF-SC/UPC Unit, Cleaning Cloth, Installation Guide, Subscriber Information Label
2	AJW-FAOC-VF-SC/APC	FAOC-VF-SC/APC Unit, Cleaning Cloth, Installation Guide, Subscriber Information Label
FAOC-VF multi-functional jig is provided for every 10 connectors.		

### Technical Specification

Category	Condition	Test Standards
Ferrule Material	Zirconia ceramic	Zirconia ceramic
Insertion Loss	-	$\leq 0.3\text{dB}$
Return Loss	-	SC/UPC: $\geq 45\text{dB}$ , SC/APC: $\geq 55\text{dB}$
Vibration	Frequency range: 10-55-10Hz Amplitude: 1.52mm( $\pm 0.75\text{mm}$ ) Cycle: 4 minutes Time: 1 hour / X.Y.Z direction	Insertion loss variation: $\leq 0.2\text{dB}$
Tension	Cable(2x3): $\geq 30\text{N}$ Fiber( $\varnothing 0.125$ ): $\geq 3\text{N}$	Insertion loss variation: $\leq 0.2\text{dB}$
Impact	Free fall: 4 M	Insertion loss variation: $\leq 0.2\text{dB}$
Repeated Connection (Re-Assembling)	$\geq 10$ times	Compliant with Insertion loss variation standard, No Mechanical damage
Repeated Connection (Adapter)	$> 500$ times	Insertion loss variation: $\leq 0.2\text{dB}$
Operating Temperature Test	Samples shall be tested sequentially under the following conditions and repeated twice:  Low-temperature exposure: $-10^\circ\text{C}$ for 96 hours  High-temperature / high-humidity exposure: $60^\circ\text{C}$ , 95% RH for 96 hours	Insertion loss variation: $\leq 0.1\text{dB}$ (before, after the test)  No Mechanical damage (including transform, damage)