

FAOC-VF Folding Type Boot

Description

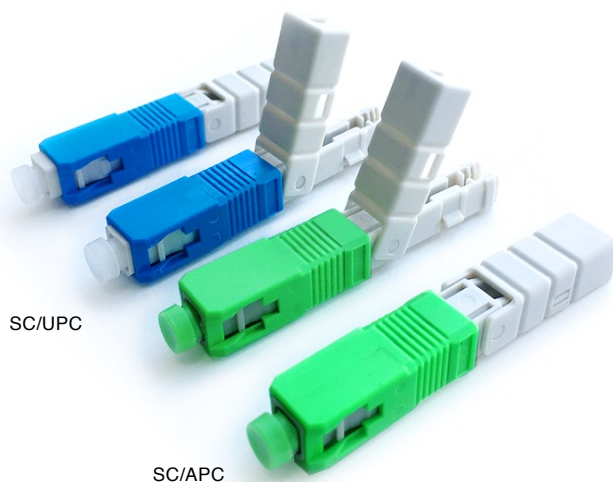
It is designed to manage secured on-site fiber connections with unique V-groove technology and 3-way cable locking system. It reduces connection defect rate by allowing re-assembling several times in the field without additional tool.

Feature

- Compliance with Standard TIA/EIA 604-3 (SC)
- 3-Way Cable Locking System: 0.125mm, 0.25mm, 2x3mm
- Re-Assembling: ≥ 10 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.

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	$\leq 0.3\text{dB}$	$\geq 55\text{dB}$

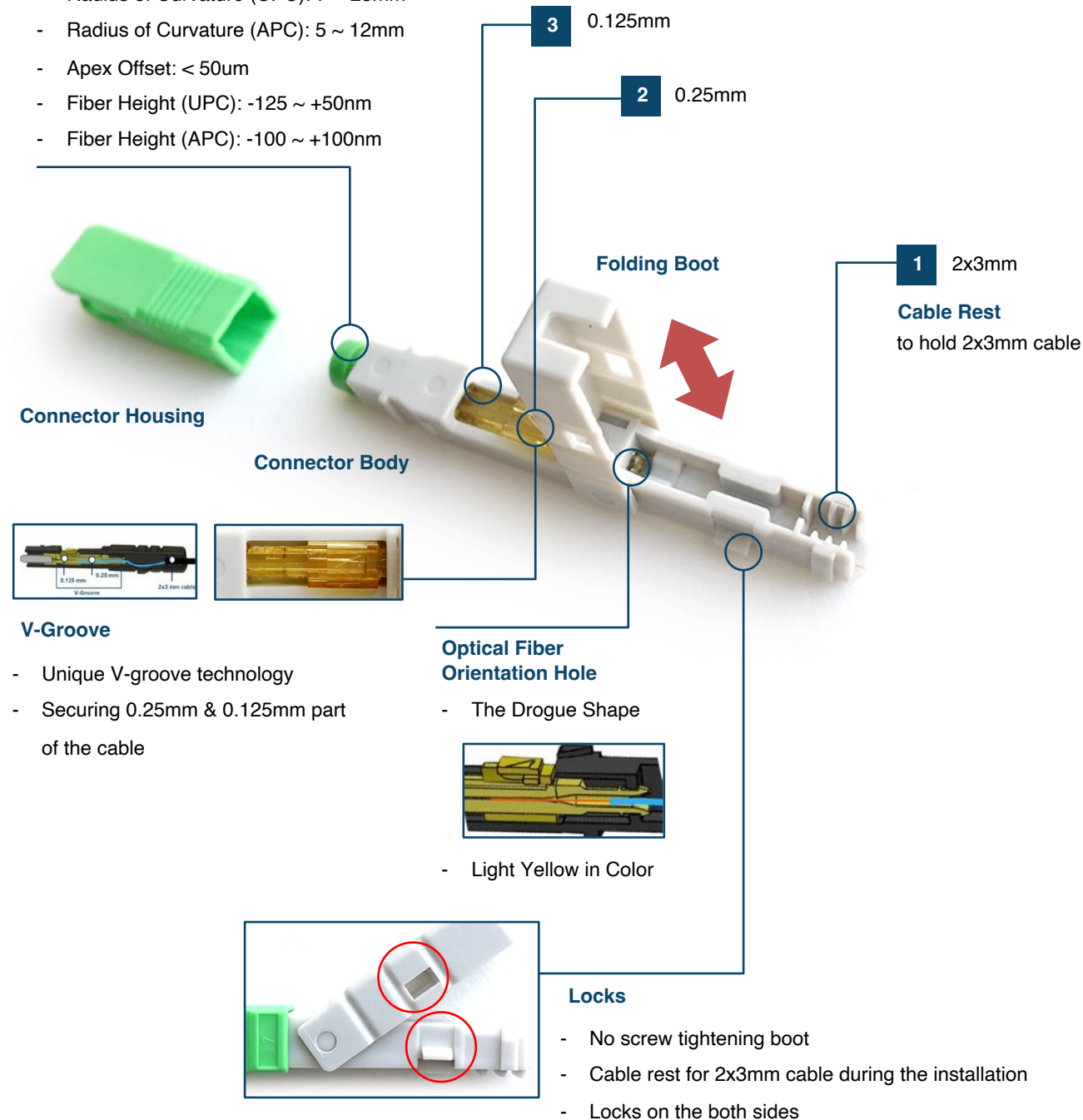


FAOC-VF Structure

Ferrule

- Radius of Curvature (UPC): 7 ~ 25mm
- Radius of Curvature (APC): 5 ~ 12mm
- Apex Offset: < 50um
- Fiber Height (UPC): -125 ~ +50nm
- Fiber Height (APC): -100 ~ +100nm

3-Way Cable Locking

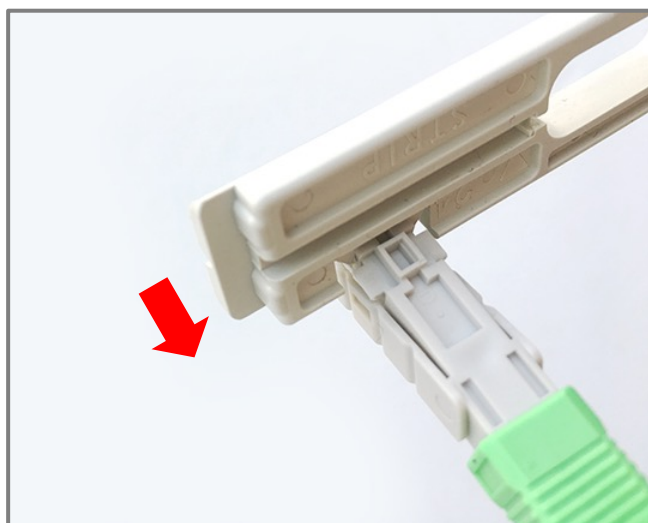


Field Connector **FAOC-VF**

Application

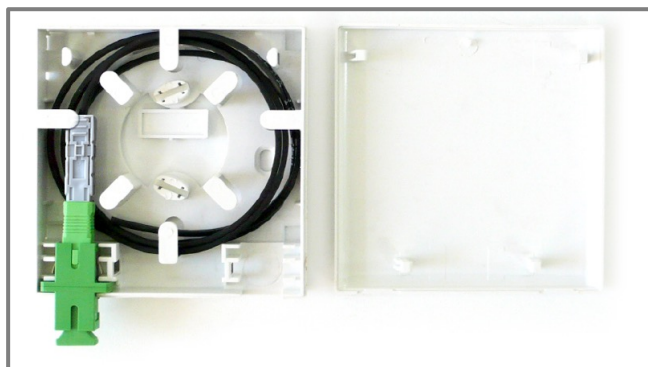
Opening the connector

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



Installation

- Fitted to all ATB boxes



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

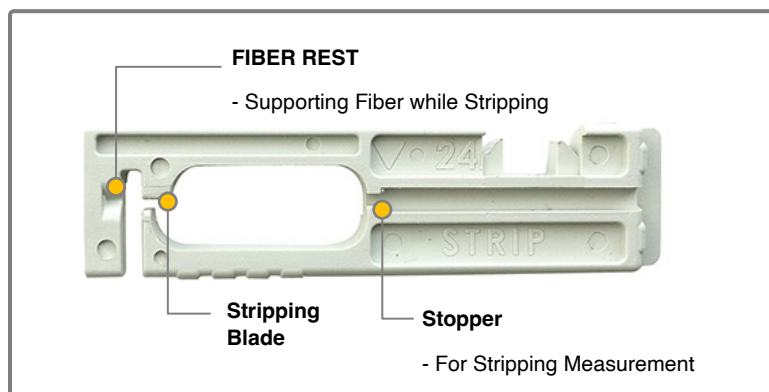
Physical Specification

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

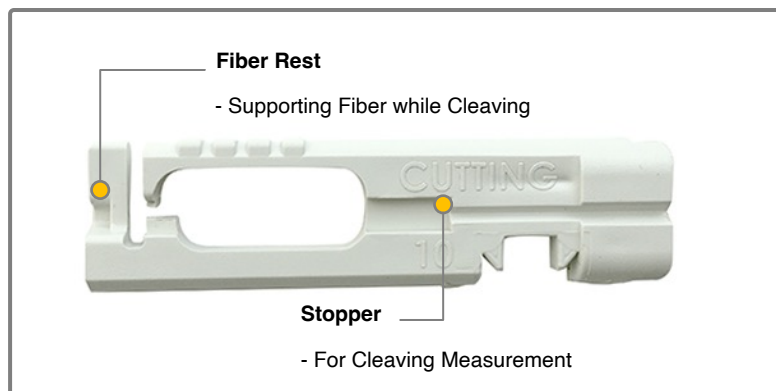
Multi-Functional Structure



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	-
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: $\geq 30\text{N}$	Insertion loss variation: $\leq 0.2\text{dB}$
Impact	Free fall: 4 M	Insertion loss variation: $\leq 0.2\text{dB}$
Repeat-connection with adapter	500 times	Insertion loss variation: $\leq 0.2\text{dB}$
Temperature Cycle	Cycle: 8 hours Total: 12 cycles / 96 hours Temperature maintenance: 1 hour *Cycle: 23 \rightarrow -40 \rightarrow 23 \rightarrow +75 \rightarrow 23	Insertion loss variation: $\leq 0.5\text{dB}$ (before, after and during the test) Return loss: $\geq 35\text{dB}$ (during the test) No Mechanical damage (including transform, damage)
Temperature / Humidity Deterioration	40 °C (relative humidity : 95%) Time: 96 hours	Insertion loss variation: $\leq 0.2\text{dB}$ (before, after and during the test) Return loss: $\geq 40\text{dB}$ (during the test) No mechanical damage (including transform, damage)