



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: IL \leq 0.3dB (\geq 5 Times) / IL \leq 0.5dB (\geq 10 Times)
- Holding force for [2.0 x 3.0]mm cable (IL change \leq 0.2 dB): \geq 40N
- Holding force of fiber lock (IL change \leq 0.2 dB): \geq 3N
- Durability (Repeated Insertion to 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
- Serial number marked on the connector body including manufacturing information
- Lifespan: \geq 5 years

Physical Specification

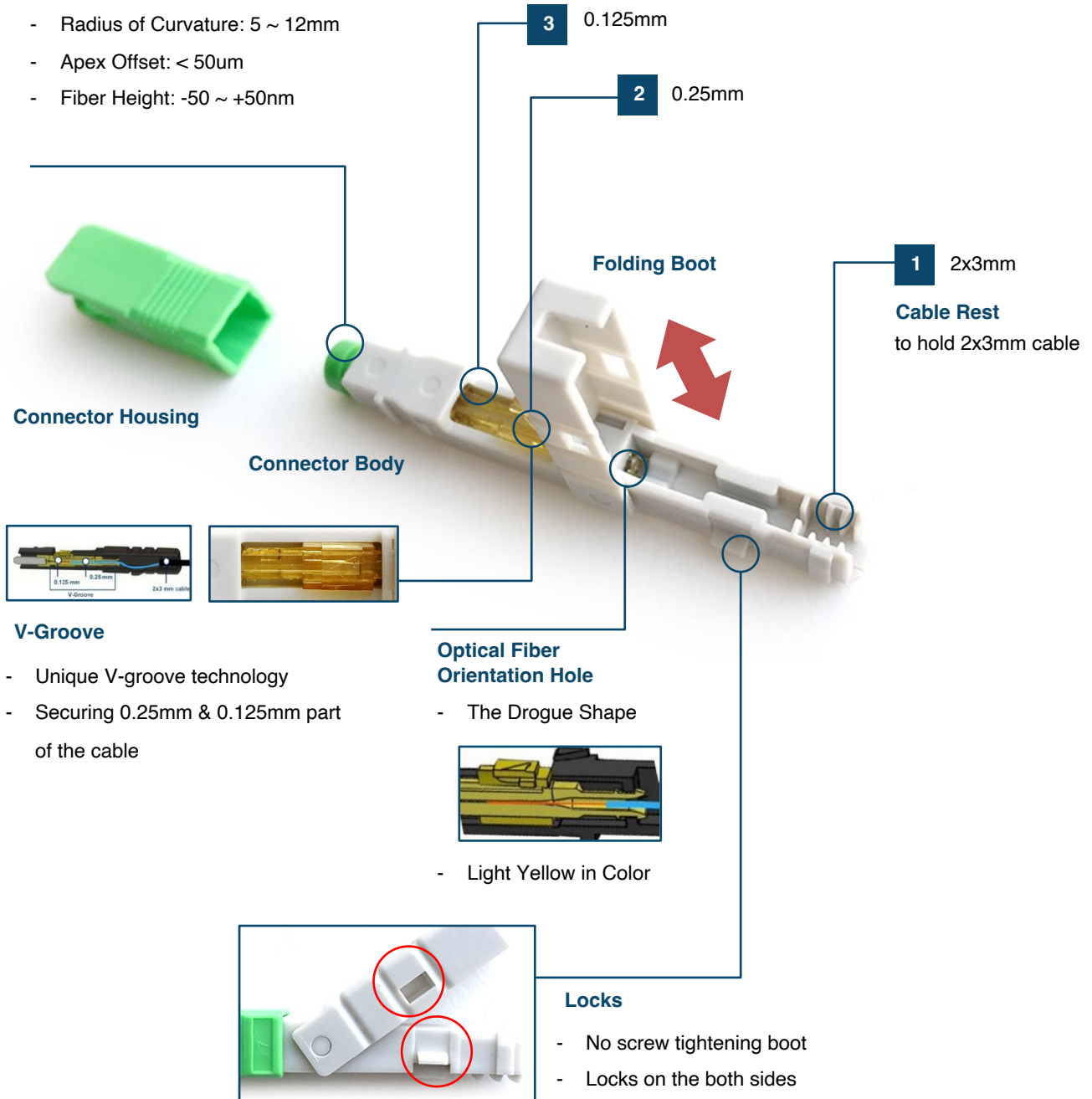
Model	Size (mm) L x W x H	Fiber Stripping Length (Ø0.25)	Fiber Cleaving Length (Ø0.125)	Insertion Loss	Return Loss
AJW-FAOC-VF-SC/APC	54 x 9 x 8.3	24	10	\leq 0.3dB	\geq 55dB

FAOC-VF Structure

Ferrule

- Material: Zirconia Ceramic
- Radius of Curvature: 5 ~ 12mm
- Apex Offset: < 50um
- Fiber Height: -50 ~ +50nm

3-Way Cable Locking



Application

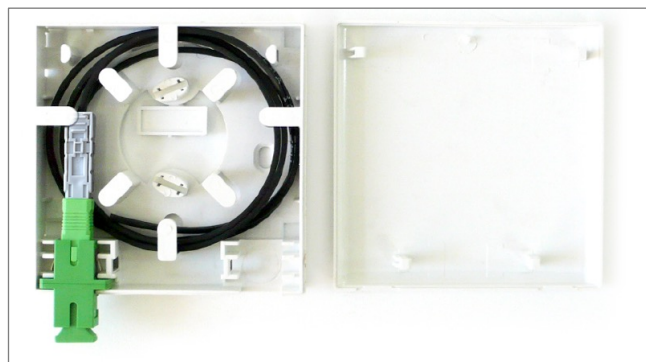
Opening the connector

- 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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Field Connector **FAOC-VF (SC/APC)**

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

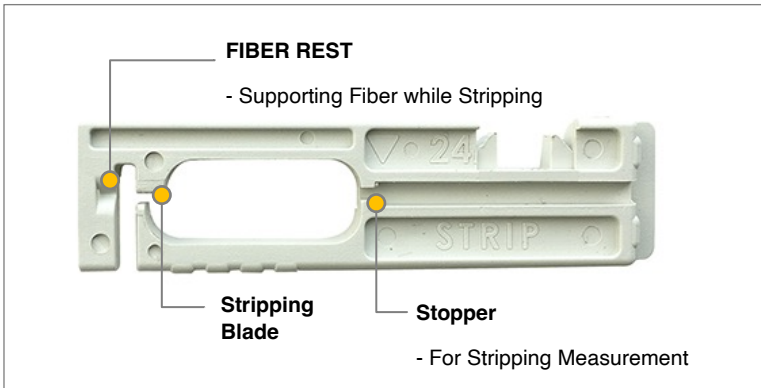
Physical Specification

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

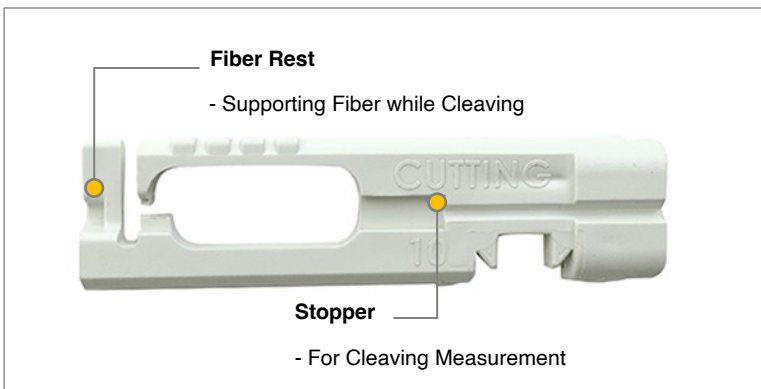
Multi-Functional Structure



OPENER



STRIPPER



CLAEVER GUIDE



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Field Connector **FAOC-VF (SC/APC)**

Standard Package

Model	Components
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

Test Item	Test Condition	Performance Criteria
Ferrule Material	Zirconia ceramic	Zirconia Ceramic
Insertion Loss	-	≤ 0.3dB
Return Loss	-	≥ 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: ≥ 40N Ø125µm: ≥ 3N	Insertion Loss Variation: ≤ 0.2dB
Impact	Free fall: 4 M	Insertion Loss Variation: ≤ 0.2dB
Repeated Connection (Re-Assembling)	≥ 5 times ≥ 10 times	Insertion Loss: ≤ 0.3dB, No Mechanical Damage Insertion Loss: ≤ 0.5dB, No Mechanical Damage
Durability (Repeated Insertion to 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, During and End of Test) Return Loss: ≥ 35dB (During Test) No Mechanical Damage Including Transform, Damage
Temperature / Humidity Deterioration	40 °C (relative humidity : 95%) Time: 96 hours	Insertion Loss Variation: ≤ 0.2dB (Before, During and End of Test) Return Loss: ≥ 40dB (During Test) No Mechanical Damage Including Transform, Damage