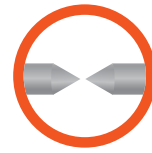# KF4A
Active V-Groove Alignment

BENEFITS AND FEATURES

- Integrated 5 function in one unit (stripping, cleaning, cleaving, splicing, protecting)

- The fusion splicer with All-In-One system provides the best workability on the pole and limited work spaces

- No scratches on fiber by thermal stripping

- Compatible with Fusion Splice-On Connector (FSOC) in accordance with the industrial standard

- Ideal for Enterprise, Data Center Broadband and FTTH network application

KF4A

ROTATING BLADE LIFE
Up to **75,000**

ELECTRODE LIFE
Up to **38,000**

Fusion Splice-On Connectors

ALLINONE

UPGRADE OPTION

- VFL (Visual Fault Locator) utilizes a 650nm red laser to locate and visibly display any failure points throughout the cable

- InGaAs Power Meter (indium, gallium, arsenide) detects the amount of power lost during transmission and can help correct potential errors

STRIPPING   **CLEAVING**   **CLEANING**

SPECIFICATION

CATEGORY	DESCRIPTION
Fiber alignment	IPAAS Clad to Clad Alignment
Applicable type of fibers	0.25mm; 0.9mm; 2.0mm; 3.0mm Indoor cable
Fiber count	Single fiber
Applicable fiber dimensions	Cladding diameter: 125μm; Coating diameter: 150μm~3mm
Fiber setting and cleaved length	0.20in to 0.63in
Splicing modes	Splice mode: 300; Heat mode: 100
Typical splice Loss	SM: 0.02dB; MM: 0.01dB; DS:0.04dB; NZDS: 0.04dB
Return loss	> 60dB
Splicing time	Typical 7sec. with SM
Splice loss estimate	Available
Sleeve heating time	Typical 13sec. with IS-60 mode, IS-60 sleeve
Applicable protection sleeve	40mm (2.4in); 60mm (1.5in) micro sleeves
Storage of splice result	Data: up to 5,000ea; Image: up to 5,000ea
Tension test	1.96N to 2.25N
Operating condition	Altitude: 0~5,000m above sea level, Temperature: -14°F~122°F, Humidity: 0~95%, Wind: 15m/s, non-condensing, dust proof, water proof, shock proof
Storage condition	Temperature: -40°C~80°C (40°F~176°F); Humidity: 0~95%
Dimension	132(W) x 212(L) x 73(H)mm (without rubber protector)
Weight	1.5kg (Including battery)
Viewing method and display	2 AXIS Two CMOS cameras with 109mm (4.3in) color LCD monitor
Fiber view and magnification	X/Y: 110X; Max:220X
Power supply	Li-ion battery (DC 14.8V, 3400mAh); 100 ~ 240V AC Charger
No. of splice cycles with battery	Typical 200 cycles
Electrode life	Up to 38,000 splices
Blade life	Up to 75,000 fibers
Terminals	USB

STANDARD PACKAGE

CATEGORY	MODEL	Q'ty
Arc fusion splicer	SWIFT KF4A	1
Battery	KF-3400	1
Battery adapter	FY1701000	1
Instructions for use	-	1
Spare electrode	EI-24	1 pair
Transporting case	HC-11 (hard case)	1
Optical fiber holder	-	1 pair
Cooling tray	CT-01 (40mm (1.5in))	1
Allen wrench	LD-3300	1
USB cable	-	1
Hard brush	-	1
Soft brush	-	1
Tool box	-	1
Tweezer	-	1

OPTION PACKAGE

CATEGORY	MODEL
Battery	KF-3400
Cleaver blade	BI-07
Electrode	EI-24
Transporting case	ILST-SS03(L) (soft case)
Work belt	WB-01
Sleeve	S09-C, S09, S30-C, S30
Sleeve clamp	SC-01
SOC connector	SC, LC, FC, ST (refer to FTTx solution catalogue)
Manual stripper	CF-02
External power	DC 12V (available for car cigar jack)
Optical fiber holder	HS-250, HS-900, HS-2.5, HS-IN, HF4-SC/FC, HF4-ST, HF4-ILC, LS-900 (choose one)