

# KF4A

Active V-Groove Alignment

Patented



**PREMIUM  
FUSION SPLICER**



## ALL IN ONE



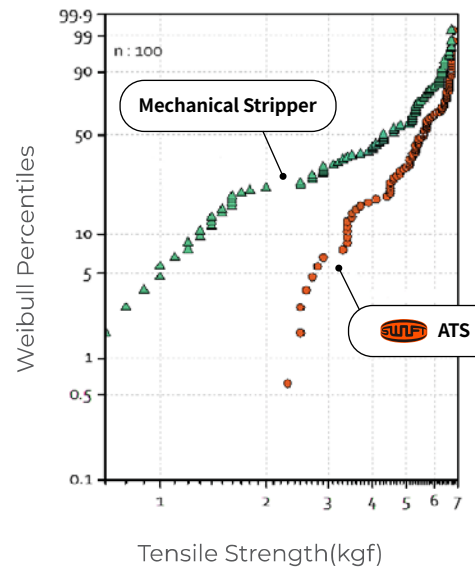
### Features

- Remote maintenance via Internet.
- Integrated 7 functions in one unit.  
(Stripping, Cleaning, Cleaving, Splicing, Protecting) +  
(Built-in Power meter/Fault Locator-OPTION)
- The fusion splicer with ALL-IN-ONE system provides the best workability on the pole and also in the limited work space.
- No scratches on fiber by thermal stripping.  
(Extended tensile of fiber strength by 2kgf more)
- Compatible with Fusion Splice-On Connector(FSOC) in accordance with the industrial standard.
- Ideas for Enterprise, Data Center, Broadband and FTTH network applications.

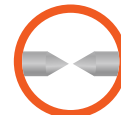
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ATS Tensile strength

※ Telcordia Standard 1.7kgf more



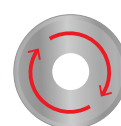
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Electrode Life

Up to **38,000** splices

Patented



Rotating Blade Life

**77,000** fibers + **33,000** fibers  
(Adjust the blade height up to 0.12mm), Total **110,000** fibers



Fusion Splice-On Connector



Work Belt



Work Belt on the telephone pole

## Specifications

CATEGORY	DESCRIPTION
Fiber alignment	Active Clad Alignment
Applicable fibers	SM(G.652), MM(G.651), DS(G.653), NZDS(G.655), SM(G.657 A1, A2/B2, B3)
Fiber count	Single fiber
Applicable fiber dimensions	Cladding diameter: 125 $\mu$ m, Coating diameter: 150 $\mu$ m~3mm
Fiber cleave length	7mm to 16mm
Splicing modes	Splice mode: 300, Heat mode: 100, Strip mode: 50
Average splice Loss	SM: 0.03dB, MM: 0.01dB, DS:0.05dB, NZDS: 0.05dB
Return loss	> 60dB
Splicing time	Typical 7 sec with SM
Splice loss estimate	Available
Sleeve heating time	Typical 13 sec with IS-60 mode, IS-60 sleeve
Applicable protection sleeve	60mm, 40mm and micro sleeves
Storage of splice result	Data : Up to 5,000ea, Image : Up to 5,000ea
Tension test	1.96N to 2.25N
Operating conditions	Altitude: 0~5,000m above sea level, Temperature: -10°C~50°C, Humidity: 0~95%, Wind: 15m/s, Non-condensing, Dust proof, Water proof, Shock proof
Storage conditions	Temperature: -40°C~80°C, Humidity: 0~95%
Dimensions	132(W) x 212(L) x 73(H)mm (Without Rubber Protector)
Weight	1.5kg (Excluding bumper)
Viewing method and display	Two AXIS CMOS cameras and 3.5-inch color LCD monitor
Fiber view and magnification	X/Y 110X, Max 220X
Power supply	100~240V AC
Battery life with heat-shrink	Typical 150 cycles with 3,400mAh
Electrode life	Up to 38,000 splices
Terminals	USB
Cleaver	CF-07FT
Cleaver blade life*	Max. 110,000 fibers

\* Blade life may be changed under the condition of working environment.

## Standard Package

CATEGORY	MODEL	Q'ty
Arc Fusion Splicer	SWIFT KF4A	1
User guide	Download from UCLSwift Website	
Cooling Tray	-	1
Transporting Case	Hard Case	1
Battery	3400mAh	1
Battery Charger	100-240V	1
Fiber Holder	-	1 pair
USB Cable	-	1

## Optional Package

CATEGORY	MODEL
Battery	3400mAh
Cleaver Blade	BI-07
Electrode	EI-24
External Power	DC 12V available for car cigar jack
Sleeve	S09-C, S09, S30-C, S30
Sleeve Clamp	-
Optical Fiber Holder	HS-250, HS-900, HS-2.5F, HS-IN, LS-900(Loose tube) HF4-SC/FC, HF4-ST, HF4-ILC(choose one)
SOC Connector	SC, LC, FC, ST (refer to FTTx solution catalogue)
Transporting Case	ILST-SS03 (L) (soft case)
Work Belt	WB-01
Optical Module	Optical Power Module (Optical power meter + VFL)

Design, standard/optional package and specification shown above are subject to change with or without notice.