UCL SWIFT
NORTH AMERICA

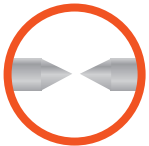# KF4AV
Active Cladding Alignment

ALL-IN-ONE PRODUCT

ROTATING BLADE ALLOWS
UP TO **77,000** CLEAVES

ELECTRODE LIFE
UP TO **38,000**

BENEFITS AND FEATURES

Remote maintenance via internet

Integrates 5 functions in one unit (stripping, cleaning, cleaving, splicing and protecting)

The All-In-One system provides the most efficient use of space in any work environment compared to traditional solutions

Internally-installed Visual Fault Finder (VFF1) utilizes a 650nm red laser to locate and visibly display any failure points throughout the cable

InGaAs (indium, gallium, arsenide) power meter can detect the amount of power lost during transmission, helping potential errors to be corrected before the cable goes into use

State of the art thermal stripper saves time and eliminates fiber scratching and damage with a typical stripping time of 1.5 seconds

High degree of reliability and stable performance even in harsh environments

Ideal for enterprise, data centers, broadband and FTTH network applications

STRIPPING

CLEAVING

CLEANING

WORK BELT

FUSION SPLICE-ON CONNECTORS

SPECIFICATIONS

CATEGORY	DESCRIPTION
Fiber alignment	IPAAS Clad to Clad Alignment
Applicable type of fibres	0.25mm; 0.9m; 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	7mm to 16mm (0.28in 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 7 sec. with SM
Splice loss estimate	Available
Sleeve heating time	Typical 13 sec. with IS-60 mode, IS-60 sleeve
Applicable protection sleeve	40mm (2.4in); 60mm (1.5in) micro sleeve
Storage of splice result	Data: up to 5,000 ea; Image: up to 5,000 ea
Tension test	1.96N to 2.25N
Operating condition	Altitude: 0-5,000m above sea level; Temperature: -10°C~50°C (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 77,000 cleaves
Terminals	USB

STANDARD PACKAGE

CATEGORY	MODEL	Q'TY
Arc fusion splicer	SWIFT KF4AV	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
Sleeve clamp	SC-01	1
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

OPTIONAL ACCESSORIES

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
SOC connector	SC, LC, FC, ST
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, KF4-SC/FC, KF4-ST-01, KF4-ILC, LS-900 (choose one), ROC-900. SST-900L. SST-250L, 580-900, 500-900

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