

KR12A Fusion Splicer

2x the Speed
with Swift Ribbonizing and Splicing



Product Description

UCL Swift's KR12A is a fusion splicer that supports remote maintenance via internet. It integrates five functions—stripping, cleaning, cleaving, splicing, and protecting—into a single unit, providing excellent workability through its ALL-IN-ONE system.

Thermal stripping leaves no scratches on the fiber and increases its tensile strength by 2 kgf. The device features a wide 5.0-inch color LCD monitor with electrostatic touch screen and a user-friendly GUI for intuitive operation. With a 6000mAh lithium polymer battery, KR12A resists shock, dust, and water for reliable field use.

Related Products

Model	Description
RBSW-25AN	250µm Coated fiber Ribbonizing Aligner
RK-01	Ribbonizer
RBSW-PC-2025	200µm to 250µm pitch converter
MPO-10-KR12	MPO holder
IRS-01	Ribbon Splitter

Features and Benefits

- 1 User-friendly GUI and bidirectional operating system provide intuitive control from either side of the unit.
- 2 5.0-inch electrostatic touch screen delivers fast response and clear visibility in various field environments.
- 3 Equipped with a high-capacity 6000mAh lithium polymer battery for long-lasting, stable performance.

Patented



Rotating Blade Life

3,650 12 ribbon fibers + **2,250** ribbon fibers
Adjust the blade height up to 0.12mm,
Total **6,200** ribbon fibers

MPO Splice-on Connector



Ribbonizing Tool



Performance Specifications

General	Fiber alignment Ribbon	Fiber count Single fiber, 2~12 Ribbon fiber
	Applicable type of fibers SM(G.652), MM(G.651) DS(G.653), NZDS(G.655)	Applicable fiber dimensions Single: Cladding diameter 125µm, Coating diameter 250, 900µm Ribbon: Cladding diameter 125µm, Ribbon fiber thickness 0.25 to 0.40mm
	Fiber cleave length 10mm	Storage of splice result The last 10,000 results to be stored in the internal memory. (Image 10,000 results)
	Tension test 2N / 4.4N (Option)	Applicable protection sleeve 40mm, 60mm (Fiber)
Splicing Performance	Splicing time Typical 20 sec with standard SM (ITU-T G.652)	Average splice loss SM: 0.05dB, MM: 0.02dB, DS: 0.08dB, NZDS: 0.08dB
	Return loss >60dB	Splicing modes Splice mode: 300, Heat mode: 100, Strip mode: 50
	Splice loss estimate Available	Sleeve heating time 1~2 core 20 sec, 4~12 core 50 sec
Display & Viewing	Fiber view and magnification 20X, Max 60X	Viewing method and display Two CMOS cameras and 5.0-inch color LCD with electrostatic touchscreen
Power & Battery * Blade life may be changed under the condition of working environment.	Power supply 100~240V	Battery life with heat-shrink 125 cycles with 4,700mAh & 160 cycles with 6,000mAh
	Electrode life Up to 1,500 splices	Terminals USB, External power (DC 12V available for car cigar jack)
	Cleaver CM-03RT	Cleaver blade life* Max. 6,200 fibers
Environmental & Physical	Operating condition Altitude: 0~3,660m above sea level Temperature: -10°C~50°C Humidity: 0~95%, Wind: 15m/s Non-condensing, Dust proof, Water proof, Shock proof	Storage condition Temperature: -40°C~80°C, Humidity: 0~95%
		Dimensions and weight 136(W) x 215(L) x 132(H)mm (Excluding rubber) 2.3kg (Including battery)

Standard Package

Category	Model	Q'ty
Arc Fusion Splicer	SWIFT KR12A	1
User Guide	Download: uclswift.com	-
Spare Electrode	EI-28	1 pair
Cooling Tray	-	1
Transporting Case	Hard Case	1
Battery	4,700mAh	1
AC Adapter	-	1
Fiber Holder	H7-Series	1 pair
Tool Box	-	1
USB Cable	-	1
Sleeve Loader	-	2

Optional Package

Category	Model
Battery	6,000mAh
Cleaver Blade	BI-07
Electrode	EI-28
Sleeve	R-F40 (40mm)
Sleeve Clamp	-
External Power	DC 12V available for car cigar jack
Optical Fiber Holder	H7-4-10, H7-8-10, H7-12-10, H7-250-10, H7-900-10, H7-2.5-10, H7-IN-10, H7-2-10, H7-6-10, H7-10-10, MPO-10, KR7-12
Cleaver	CM-03RT
Ribbonizing Holder Kit	-
Ribbon Separator	-
Wifi-Card	-