

# Fusion Splicer Swift

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### Variants

K33 S3 K9 K7 KF4A K11 S5 KF4

### Details

The Swift KF4A is a highly advanced, All-In-One active cladding alignment fusion splicer, designed to perform the major 5 functions systematically: stripping, cleaning, cleaving, splicing and protecting. The Swift KF4A is the best fit for fusion splicing and fusion splice-on connectors (SOC) of FTTx network applications. It eliminates fatal issues common with conventional mechanical connectors including low quality, weak durability and high maintenance costs. The Swift KF4A fusion splicer coupled with our fusion splice-on connectors provides customers the best ROI.

Rotating blade life allows up to 77,000 cleaves

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

The fusion splicer with All-In-One system provides the best workability onsite and in a limited work space

No scratches on fiber by thermal stripping

Compatible with Fusion Splice-on Connector (SOC) in accordance with the industry standards

Ideal for Enterprise, Datacenter, Broadband and FTTH network applications

Category	Description
Fiber alignment	IPAAS Core Alignment
Applicable type of fibers	SM (G.652); MM (G.651); DS (G.653); NZDS (G.655); SM
Fiber count	Single fiber
Applicable fiber dimensions	Cladding diameter: 80~150 $\mu$ m, Coating diameter: 250 $\mu$ m
Fiber setting and cleaved length	250 $\mu$ m; 5-16mm; 900 $\mu$ m; 8-16mm
Splicing modes	Splice mode: 300, Heat mode: 300
Typical splice loss	SM: 0.02dB, MM: 0.01dB, DS: 0.04dB
Return loss	> 60dB (typical)

Splicing time	Typical 6 sec. (quick mode)
Sleeve heating time	9 sec. (IS-45 sleeve, IS-45 mode), 13 sec. (IS-45 sleeve, IS-45 mode)
Applicable protection sleeve	32mm, 40mm, 60mm (fiber)/28mm or 32mm (cable)
Storage of splice result	The last 10,000 results to be stored in the internal memory or SD card
Tension test	1.96N ~ 2.25N
Operating condition	Altitude: 0-5,000m above sea level, Temperature: -10°C ~ 50°C Wind: 15m/s, non-condensing, dust proof, water proof
Storage condition	Temperature: -40°C ~ 80°C (-40°F ~ 176°F)
Dimension	130(W) x 158(L) x 138(H) mm (excluding handle)
Weight	2.25kg (including battery)
Viewing method and display	Two CMOS cameras and 127mm (5.0 in) color LCD monitor
Fiber view and magnification	X/Y: 200X; Max: 400X
Power supply	100~240V AC
No. of splice cycles with battery	Typical 331 cycles (6000m)
Electrode life	Up to 18,000 splices
Blade life	Up to 77,000 cleaves
Terminals	USB