

ELFCAM S-10 OPTICAL FIBER FUSION SPLICER



RAPID OPERATION:

Ultra-fast 7s splicing and 18s heating, ensuring rapid job completion. Small size and light weight, the splicer is easy to carry and can be lift by one hand.



PRECISION IN EVERY SPLICE:

320x image magnification ensures detailed work, even with ultra-short cleave lengths, ensuring high-quality results.



BUILT FOR THE FIELD:

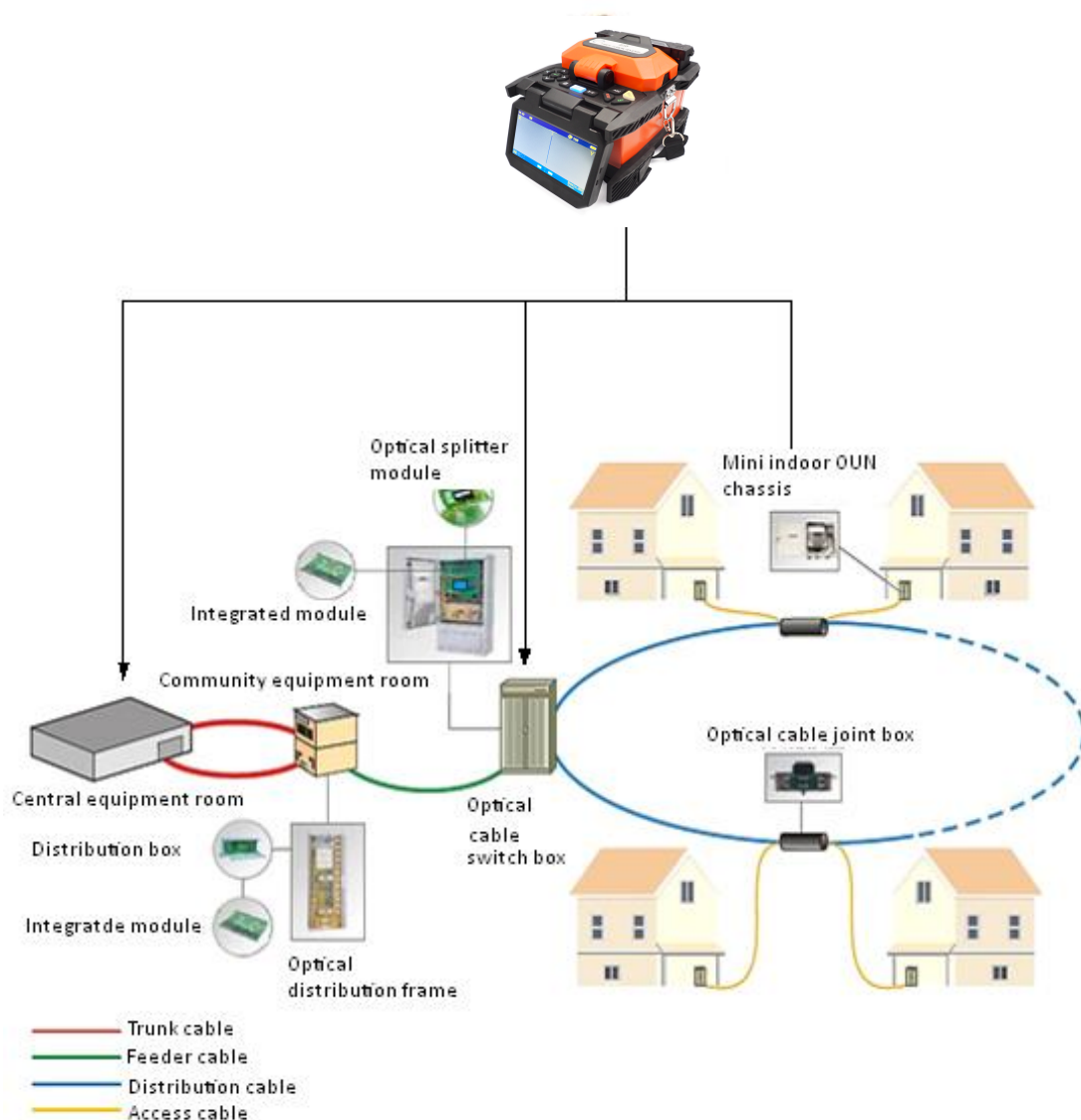
A rugged design that stands up to the challenges of fieldwork, being dust-resistant, water-resistant, and shock-resistant, ensuring consistent performance.



EFFICIENCY ON THE GO:

An intuitive touch screen interface for quick adjustments, paired with a lightweight carrying case that transforms into a working bench, making on-site tasks more manageable.

TYPICAL APPLICATIONS



6481 Series Optical Fiber Fusion Splicer is compact equipment deploying the design of ergonomics, which delivers convenient operation and handy carrying case. Even very short fibers can be spliced easily. It's capable of construction and maintenance of optical fiber line projects (including trunk), emergency repair, production and test of optical fiber devices and research and study in institutes.

TECHNICAL SPECIFICATIONS



Specification	Model
Motor qty	4 motors
Alignment method	Precise core alignment, Cladding alignment, Cladding alignment, Manual alignment Manual alignment
Applicable fibers	Any common optical fibers, rubber-insulated fibers and jumpers that meet requirements of ITU-TG.651~653, ITU-TG.655 and ITU-TG.657.
Optical fiber diameter	Cladding: 80~150 μm, coating layer: 0.1~3mm
Splice loss (typical)	0.02dB (SMF) ; 0.01dB (MMF) ;
	0.04dB (DSF) ; 0.04dB (NZDSF)
Splicing time (typical)	7s (Fast mode)
Heating time (typical)	Less than 18s
Tension test	1.96~2.25N
Protection sleeve	60mm, 40mm and a series of protection sleeves
Graphical display	High-performance 4.3 inch LCD
Magnification time	320 times/88 times, 700 times zoom
Fusion records	10000 groups/64 images
Remote maintenance	55W
Battery capacity	11.1V, ≥6400mAh
Battery service life	Cycle charging: 300~500 counts, can be replaced by customers
Electrode service life	Typical: 4000 counts, can be replaced by customers
Construction lighting	Built-in lights with high-brightness and wide lighting area
Working environment	Temp:-10~50℃; Hum: 0~95%RH, height above sea level: 0~6000m
Operation interfaces	GUI (graphical user interfaces)
External power	AC: 100~240V, 60Hz, 0~1.5A; DC: 10~15V
Port	USB / SD
Dimensions	120mm (W) ×130mm (H) ×154mm (D) (without rubber anti-vibration pad)
Weight	1.8kg (the battery not included) , 2.1kg (included the battery)



No. 1 supplier of fiber optic materials



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