

# FIS CA6+ CORE ALIGNMENT FUSION SPLICER



## FEATURES

- Fast Splice Time – 6 second splice in SM Quick Mode
- Fast Melt Time – 15 second Heating
- 310 Splice/Heat cycles per full battery charge
- Smart and Easy Operation with enhanced Field Toughness
- Metallic coated V-Groove for quick, easy cleaning
- On-board oven optimized for use with ALL FIS Cheetah Splice on Connectors (SC/LC/ST/FC)

FIS' New CA6+ Core Alignment Fusion splicer is the latest addition to the FIS Fusion Splicing product line. With the Contractor always in mind, the CA6+ is faster, more durable, and easier to use than ever. Fully compatible with FIS Cheetah and Armordillo Splice-On Connectors, this is the perfect fusion splice kit for both premise and long-haul applications.

## ORDERING INFORMATION

<b>F1CA6P</b>	FIS CA6+ Core Alignment Fusion Splicer Kit w/FC-6R+ Cleaver, Cheetah SOC Holder, Spare ER-10 Electrodes, Sheath Clamps
<b>F1CA6PH</b>	FIS CA6+ Core Alignment Fusion Splicer PRO KIT w/FC-6R+ Cleaver, Cheetah SOC Holder, Spare ER-10 Electrodes, Sheath Clamps. Also includes 250um and 900um removable holders
<b>F1CA6PNC</b>	FIS CA6+ Core Alignment Fusion Splicer Kit w/ Cheetah SOC Holder, Spare ER-10 Electrodes, Sheath Clamps - no cleaver



## RECOMMENDED ACCESSORIES FOR THE CA6+

<b>F1SOCSLACA6</b>	FIS Splice on Connector Holder for the CA6/CA6+ (SLA)
<b>F1SOC30CA6SLAHLDR</b>	3mm Cordage Holder for CA6/CA6+ Splicer (SLA)
<b>FC6RP</b>	Sumitomo FC6R+ Precision Optical Fiber Cleaver - for Single and Mass Fiber Cleaving with auto rotating/adjusting cleaver blade and fiber catcher
<b>FCPBL</b>	Sumitomo Replacement Blade for FC6S/FCP Style Cleavers
<b>ER10</b>	Replacement Electrodes for the CA6/CA6+
<b>BC102</b>	Battery charger kit for CA6/CA6+, includes BC-16 Li-Ion battery and ADC-16 charge AC adapter/cord

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## SPECIFICATIONS

<b>Material</b>	Silica glass
<b>Fiber count / Profile types</b>	Single / SMF (G.652), MMF (G.651), DSF (G.653), NZDSF (G.655), BIF (G.657)
<b>Diameter</b>	Cladding diameter : 80~150µm, Coating diameter: 100 ~ 1,000µm
<b>Cleave length</b>	5 ~ 16mm with coating clamp
<b>Splice loss (typical)</b>	SMF : 0.02dB, MMF : 0.01dB, DSF : 0.04dB, NZDSF : 0.04dB, BIF: 0.02dB
<b>Return loss (typical)</b>	60dB or greater
<b>Splice time (typical)</b>	6sec (SM G652 Quick Mode), 8sec (Auto Mode)
<b>Heating time (typical)</b>	15sec (FPS-61-2.6 sleeve, S60mm 0.25)
<b>Splice &amp; Heat cycles per battery full charge</b>	Approx. 310 (BU-16)
<b>Fiber view &amp; magnification</b>	2 CMOS cameras observation, 350X (zoom: 700X) for X or Y single axis view, Max. 350 for both X & Y dual axis view
<b>Proof test</b>	1.96 ~ 2.09N
<b>Applicable protection sleeve</b>	60mm, 40mm & Sumitomo Nano sleeves
<b>Splice programs</b>	Max. 300, 40 are pre-optimized, 260 editable by user
<b>Heating programs</b>	Max. 100, 23 are pre-optimized, 77 editable by user
<b>Splice image capture / Splice data storage</b>	200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 16GB SD)
<b>Universal clamps</b>	Provided, 250µm, 900µm tight & loose buffer fiber
<b>Reversible coating clamps</b>	Provided
<b>Onboard user training video</b>	Provided
<b>Automatic fiber identification</b>	SMF / MMF / NZDS / BIF / Other
<b>Automatic arc calibration</b>	Automatically compensates for environmental condition changes
<b>Display of remaining Splice &amp; Heat cycles</b>	Provided (Battery mode)
<b>Size</b>	128(W) x 154(D) x 130(H) mm (without anti-shock rubber)
<b>Weight</b>	1.7kg (without Battery) / 2.0kg (with Battery BU-16)
<b>Monitor</b>	5.0" touch screen color LCD display
<b>DC output</b>	DC 12V (for JR-6)
<b>USB Port</b>	USB 2.0 (mini-B type)
<b>Storage Media</b>	SD / SDHC memory card MAX 32GB
<b>AC Input</b>	AC 100 ~ 240V, 50/60Hz (ADC-16)
<b>DC Input</b>	DC 10 ~ 15V
<b>Battery Pack</b>	Li-ion 10.8V, 6,400mAh (BU-16)
<b>Operating condition</b>	Altitude : 0 ~ 6,000m, Temperature : -10 ~ +50°C, Humidity : 0 ~ 95% (non-condensing), Wind velocity : up to 15m/sec
<b>Storage condition</b>	Temperature : -40 ~ +80°C, Humidity : 0 ~ 95% (non-condensing), Battery : -20 ~ +30°C (long term)
<b>Electrode life</b>	6,000 arc discharges
<b>Software updates</b>	Internet
<b>Data management</b>	Can be stored, edited and analyzed by dedicated PC software

## ENVIRONMENTAL DURABILITY

<b>Shock Resistance</b>	Drop from 76cm on 4 edges and corner (bottom face only)
<b>Water Resistance</b>	Equivalent to IK07 on LCD monitor (Protected against 2J impact, it is equivalent to a 500g force from 40cm)
<b>Water Resistance</b>	Equivalent to IPx2 (Operates normally after being exposed to water dripping at 3mm/min. for at least 2.5 min on each of 4 surfaces tilted at 15°)
<b>Dust Resistance</b>	Equivalent to IP5x (Operates normally after 8 hours in a test chamber with circulating dust particles smaller than 75µm)

\*Splicer operation after shock, water or dust tests, was confirmed under battery power. Does not guarantee the product will not be damaged by these conditions.