FIS F1CA6 CORE ALIGNMENT FUSION SPLICER

FEATURES

- Fast Splice Time – 6 second splice in SM Quick Mode
- Fast Melt Time – 15 second Heating
- 5" High Resolution Touch Screen
- 300 Splice and Heat Cycle per Battery
- Optimized for Use with FIS Cheetah and Armordillo Splice on Connectors

Featuring a brand new 5"Touch Screen and User Interface, FIS' New CA6 Core Alignment Fusion splicer is the latest enhancment to the product line offering. With the Contractor in mind, the CA6 is compact, lightweight, and faster then ever with a 6 second splice time in SM Quick Mode and a 15 second shrink time. 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

F1CA6	FIS CA6 Core Alignment Fusion Splicer Kit includes Precision Cleaver w/ Auto Rotating Blade (FC-6RS-C), ER—10 Electrodes, T—39_SCT Cooling tray, Hand strap 2.0m USB cable, BU—16 Li—Ion battery, ADC—16 AC/DC adaptor, PC—AC2 Power cord, Quick reference guide, English, CC—82 Carrying case (Gray, Hard case), Shoulder strap for CC—82

Standard kit includes FIS SOC holder, and SOC optimized oven bracket to allow for on-board melting of ST/FC Splice on Connectors

ENVIRONMENTAL DURABILITY

Shock Resistance	Drop from 76cm on 5 faces (excluding top face)
Water Resistance	Equivalent to IK07 on LCD monitor (Protected against 2J impact, it is equivalent to a 500g force from 40cm)
Water Resistance	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°)
Dust Resistance	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.

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SPECIFICATIONS

Material	Silica glass
Fiber count / Profile types	Single / SMF (G.652), MMF (G.651), DSF (G.653), NZDSF (G.655), BIF (G.657)
Diameter	Cladding diameter : 80~150 m, Coating diameter: 100 ~ 1,000 m
Cleave length	5 ~ 16mm with coating clamp
Splice loss (typical)	SMF : 0.02dB, MMF : 0.01dB, DSF : 0.04dB, NZDSF : 0.04dB
Return loss (typical)	60dB or greater
Splice time (typical)	6sec (SM G652 Quick Mode), 8sec (Auto Mode)
Heating time (typical)	15sec (FPS-61-2.6 sleeve, S60mm 0.25)
Splice & Heat cycles per battery full charge	Approx. 300 (BU-16)
Fiber view & magnification	2 CMOS cameras observation, 350X (zoom: 700X) for X or Y single axis view, Max. 350 for both X & Y dual axis view
Proof test	1.96 ~ 2.09N
Applicable protection sleeve	60mm, 40mm & Sumitomo Nano sleeves
Splice programs	Max. 300, 24 are pre-optimsed, 276 editable by user
Heating programs	Max. 100, 23 are pre-optimsed, 77 editable by user
Splice image capture / Splice data storage	200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 16GB SD
Universal clamps	Provided, 250 m, 900 m tight & loose buffer fiber
Reversible coating clamps	Provided
Onboard user training video	Provided
Automatic fiber identification	SMF / MMF / Other
Automatic arc calibration	Automatically compensates for environmental condition changes
Display of remaining Splice & Heat cycles	Provided (Battery mode)
Size	128(W) x 154(D) x 130(H) mm (without anti-shock rubber)
Weight	1.7kg (without Battery) / 2.0kg (with Battery BU-16)
Monitor	5.0" touch screen color LCD display
DC output	DC 12V (for JR-6)
USB PORT	USB 2.0 (mini-B type)
Storage Media	SD / SDHC memory card MAX32GB
AC Input	AC 100 ~ 240V, 50/60Hz (ADC-16)
DC Input	DC 10 ~ 15V
Battery Pack	Li-ion 10.8V, 6,400mAh (BU-16)
Operating condition	Altitude : 0 ~ 6,000m, Temperature : -10 ~ +50°C, Humidity : 0 ~ 95% (non-condensing), Wind velocity : up to 15m/sec
Storage condition	Temperature : -40 ~ +80°C, Humidity : 0 ~ 95% (non-condensing), Battery : -20 ~ +30°C (long term)
Electrode life	6,000 arc discharges
Software updates	Internet
Data Management	Can be stored, edited and analyzed by dedicated PC software

RECOMMENDED ACCESSORIES FOR THE CA6

F1SOCSLACA6	FIS SLA SOC Holder for the CA6 fusion splicer
F1SOC30CA6SLAHLDR	FIS 3mm SLA Cordage Holder for CA6 Splicer
FC6RSC	Sumitomo Precision Optical Fiber Cleaver-for single fiber
FCP7RBL	Sumitomo Replacement blade for 8R,7R,6R cleaver series
ER-10	CA6 Electrodes
BU-16	CA6 Li-Ion /Battery
ADC-16 CA6	CA6 AC Adapter