

# Splicers

## Fusion



### FastCat™ Dual Heater Core Alignment Splicer



#### Description:

Sumitomo's Type-39 FastCat™ Core Alignment Fusion splicer is the industry's first splicer to feature a Dual-Automatic Heater System featuring Auto Start Heater and Auto Start Splice functions — making the FastCat the fastest splicer available today.

The Type-39 FastCat's advanced electronic design, which accommodates the built-in dual heating system and simultaneous operation, reduces the bottle neck of "heater wait time" by 88%. With an individual heater cycle time of only 30 seconds (60mm Fiber Protection Sleeves) and a splice cycle of only 9 seconds, the FastCat improves splicing efficiency by 70%.

The FastCat is a fully automatic, highly portable, self-contained instrument for creating quick and effortless low-loss optical fiber splices in any environment with a typical splice loss of only .02(dB) for identical single-mode fiber. It is designed to work with virtually all fiber types including single-mode, multimode, dispersion shifted and other specialty fibers.

The splicer utilizes precision High-resolution Direct Core Monitoring (HDCM) technology to form repeatable low-loss splice results. HDCM and Dual Heater technologies, combined with Sumitomo Electric's track record for reliability and customer support, make the FastCat the industry's new standard for fusion splicers.

#### Specifications

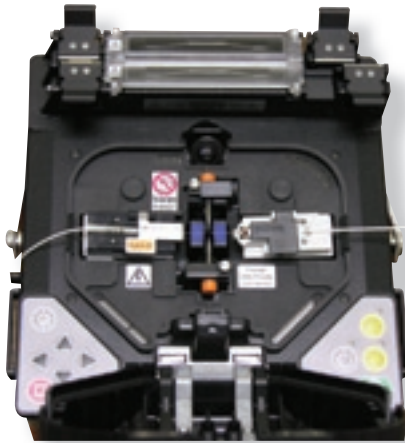
<b>RoHS</b>	Compliant (engineered to be more environmentally friendly)
<b>Fiber Requirement</b>	Silica Glass
<b>Coating Diameter</b>	100 to 1000µm
<b>Cladding Diameter</b>	80 to 150µm
<b>Cleave Length</b>	8 to 16 mm (under 250µm coated fiber) 16mm (over 250µm coated fiber)
<b>Typical Splice Loss, Identical Fibers</b>	SMF: 0.02dB MMF: 0.01dB NZ-DSF: 0.04dB
<b>Number of Fiber Profiles</b>	48 Customizable
<b>Number of Pre-Installed Heater Profiles</b>	20 Customizable
<b>Internal Splice Data Storage</b>	10,000
<b>Monitor Position</b>	Multiple Position Monitor
<b>Interface</b>	USB Port for PC Interface RCA Jack for External Monitor DC input for Car Battery Operation
<b>Dual Independent Heaters</b>	Each Heater: 25 seconds 40mm sleeve 30 seconds 60mm sleeve
<b>Typical Splice Time</b>	9 Seconds Splice Cycle Time
<b>Language Selections</b>	16
<b>Arc Test</b>	Automatically Compensates for Environmental Conditions
<b>Menu Selection</b>	User Friendly Menus
<b>Return Loss</b>	<-70dB
<b>Proof Test</b>	Internal 200g (Std.), 400g (Optional)
<b>Attenuation Splicing</b>	Up to 15dB in increments of 0.01db
<b>Loss Estimation Process</b>	High-resolution Direct Core Monitoring (HDCM)
<b>Image Display</b>	Dual or Single Fiber Imaging X/Y

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### FastCat™ Dual Heater Core Alignment Splicer

(cont'd)



Lynx2 CustomFit® Splice-On Connector Compatible (Type-39FH)

#### Features:

- Dual Independent Splice Protection Heaters
- RoHS Compliant
- 5.6" Switchable Color Monitor for Front to Back or Back to Front Operation
- Automatic Splice and Heater Start
- Automatic Fiber Profiling Detection
- Complete Splice in Less than 40 Seconds
- Built-In LED for V-Groove Illumination
- User-Friendly Menu Selection System
- Easier to Load Fiber Holder Unit (Type-39FH)
- Splice-On Connector Compatible (Type-39FH)
- 24-Hour Technical Support via 888-SPLICER

#### Physical Characteristics

<b>Size</b>	150W x 150D x 150H mm (5.9W x 5.9D x 5.9H in)
<b>Weight</b>	2.8 kg (6.2 lbs)
<b>Power Requirement</b>	Input: 100 to 240V AC; 50/60Hz, 12V DC
<b>Display</b>	5.6 Inch TFT Low Glare High Resolution Color Monitor
<b>Wind Protection</b>	30 mph (15 m/s)
<b>Battery Operation</b>	Standard: 100 Splices & Heater Cycles Extended: 200 Splices & Heater Cycles

#### Ordering Information

Description	Part Number
Splicer Kit With Accessories, Type-39 FastCat	TYPE-39-KIT-1
Splicer Kit With Accessories, Type-39 FastCat	TYPE-39-KIT-2
Splicer Kit With Accessories, Type-39FH FastCat	TYPE 39FH-KIT-2

#### Accessories

Description	Part Number	UOM
Standard Battery, 100 Splice and Heater Cycles per Charge	BU-66S	1 ea.
XL Battery, 200 Splice and Heater Cycles per Charge	BU-66XL	1 ea.
12 V DC, Car Adapter Battery	PC-V66	1 ea.
Battery Charger Cable	BCC-66	1 ea.
Power Supply / Battery Charger Module	PS-M2	1 ea.
Spare Electrodes	ER-10	1 pr.
Precision Fiber Optic Cleaver	FC-6M-C	1 ea.
FC-6 Cleaver Series Scrap Catcher	FC6-CATCHER	1 ea.
Jacket Remover	JR-M01	1 ea.
Fiber Protection Sleeves (Single Fiber, 60mm, 50 Sleeves)	FPS-1	1 pk.
Fiber Protection Sleeves (Single Fiber, 40mm, 10 Sleeves)	FPS-40-10P	1 pk.
AC Power Cord	PC-AC2	1 ea.
Aerial Work Platform with Mounting Arm	APF-03-KIT	1 ea.
V-groove Brush	VGB-003-CR	1 ea.

#### Type 39-KIT-1 Components:

- Type-39 Core Alignment Fusion Splicer with Built-in Dual Heat Shrink Ovens
- AC Interface/Battery Charger
- Long Life Battery
- Hard Transit Case
- Spare Electrodes
- Cleaning Tools
- Shrink Sleeve Cooling Tray
- Fiber Protection Sleeves
- Manual

#### Type 39-KIT-2 Components:

- Includes the Above; Plus Jacket Remover, Precision Cleaver

#### Type 39FH-KIT-2 Components:

- Includes the Above; Plus 250µm and 900µm Fiber Holders