Splicers
Fusion

FastCat SPLICER

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

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

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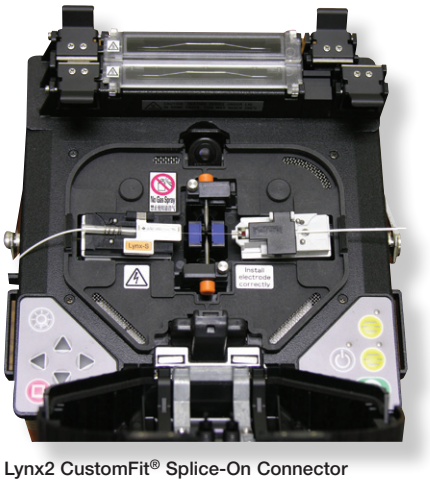
(cont'd)



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

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

Ordering Information

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

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

Type 39FH-KIT-2R Components:

- Includes the Above; Plus FC-7R Hand-Held Automatic Blade Rotation Cleaver

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-M03	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.

For ordering assistance, please contact Customer Service at 800-358-7378 or visit our website at: **www.sumitomoelectric.com**