

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

RoHS	Compliant
Fiber Requirement	Silica Glass
Coating Diameter	100 to 1000 μm
Cladding Diameter	80 to 150 μm
Cleave Length	8 to 16 mm (under 250 μm coated fiber) 16mm (over 250 μm 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	2000
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

Splicers

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FastCat™ Dual Heater Core Alignment Splicer (cont'd)

Features:

- RoHS Compliant
- Dual Independent Splice Protection Heaters
- 5.6" Switchable Color Monitor for Front to Back or Back to Front Operation
- Automatic Splice Start
- Automatic 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
- 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

Type 39-KIT-1 Components:

- Splicer
- Spare Electrodes
- AC Adapter/Batter Charger
- AC Power Cord
- V-Groove Brush
- Cooling Tray
- Monitor Cover
- Manual
- Quick Guide
- Hard Case

Type 39-KIT-2 Components:

- Includes the Above; Plus Battery, Jacket Remover, and Cleaver

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

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.
Battery Charger Cable	BCC-66	1 ea.
Spare Electrodes	ER-10	1 pr.
Precision Fiber Optic Cleaver	FC-6S	1 ea.
FC-6 Cleaver Series Scrap Catcher	FC6-CATCHER	1 ea.
Jacket Remover	JR-M01	1 ea.
60mm Single Fiber Protection Sleeves	FPS-1	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.