

# USING THE WORLD'S MOST POPULAR FUSION SPLICER JUST GOT EASIER. AND MORE PRODUCTIVE.

Meet The New Sumitomo Type-35SE Fusion Splicer.

[Sumitomo Type-35SE Specs](#)

Provided by [www.AAATesters.com](http://www.AAATesters.com)



SO MANY AUTOMATED FEATURES, IT'S LIKE



**“Go-No Go” Indication.** Automatic splice loss estimation for single mode and multi-mode fiber.

✓ **Constant Visual Check.** High resolution LCD screen displays fibers before, during and after splicing. Swivels for easy viewing. Over 200x magnification provides maximum inspection.

**Monitors Electrode Condition.**  
Advanced software monitors electrodes and automatically compensates for wear.

**Simple, Accessible Controls.** Top-mounted membrane keypad controls all operator functions. Familiar keypad and color-coding eliminate retraining.

**Programmable High Speed Heater.** Shrinks sleeve around splice joint in 90 seconds or less. Assures tensile strength by performing automatic proof test with audible alarm.

**Automation Shortens Set-Up.** Microprocessor-controlled self-test, calibration and diagnostics.

- **Documents Splice Data.** 100-splice memory stores date and time stamped loss estimates for later printout.

**Speakes 8 languages.**  
English, French, German,  
Greek, Portugese, Spanish,  
Japanese, Chinese.

**Portable.** New design is 10% lighter, 15% more compact and is equipped with sturdy handles.



# ADDING AN EXTRA CREW.

Now your people can do fast, high quality splicing more efficiently than ever with the latest version of the fusion splicer that set the industry standard.

The Sumitomo Type-35SE Fusion Splicer gives back precious minutes on every splice. Its new high-speed heater shrinks sleeves in 90 seconds, and we've shortened the splice cycle, too. Newly automated functions save time while helping your people assure

quality splices—all of which make the Type-35SE easier than ever to use.

Crews work faster and easier with automatic atmospheric arc compensation, automatic electrode monitoring and automated self-diagnostics. The new 100 splice memory stores estimated loss values for later printout. Twenty-one programmable settings add versatility and give you maximum performance.

And the Type-35SE's display speaks every major language—including yours.

Other new conveniences include an LCD screen that swivels for easy viewing from virtually any angle. You set splice parameters via the membrane keypad on the top panel—no DIP switch settings, no hidden controls. Everything's accessible. Yet we've kept the same familiar keypad layout and color-coding, so there's no retraining.

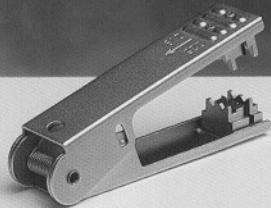
Whether your people install networks, perform emergency restoration or work in the lab, the Sumitomo Type-35SE Fusion Splicer works as fast as they do. Sumitomo makes your life easier, too. We offer on-site training, technical support and loaners for warranty repairs.

For details on the Type-35SE, contact Sumitomo. We'll show you just how productive the world's most popular fusion splicer can be.

## FOR HIGH-PERFORMANCE SPLICING, YOU NEED A SYSTEM LIKE OURS.

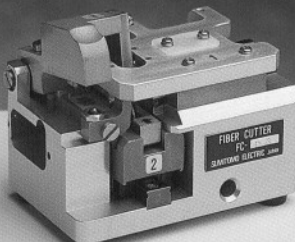
Sumitomo Fiber Preparation Tools And Accessories Help Make Fusion Splicing Quick, Precise And Simple.

### Simplify Fiber-Handling Right From The Start.



Precision jacket removers strip fiber coatings in one-pass without damaging the fiber. Guide mark assures optimum strip length. Available in 250, 900 and 400 micron diameters plus unique 900/250-micron combination unit.

### High Precision Assures Accurate Cleaves.



Easy-to-use Fiber Cleaver does its job in fewer steps. Produces a typical end-face angle within 0.5 degrees of perpendicular, assuring high quality splicing. Replaceable blade has 12 indexed positions for long life.

### Add Strength And Protection In One Step.



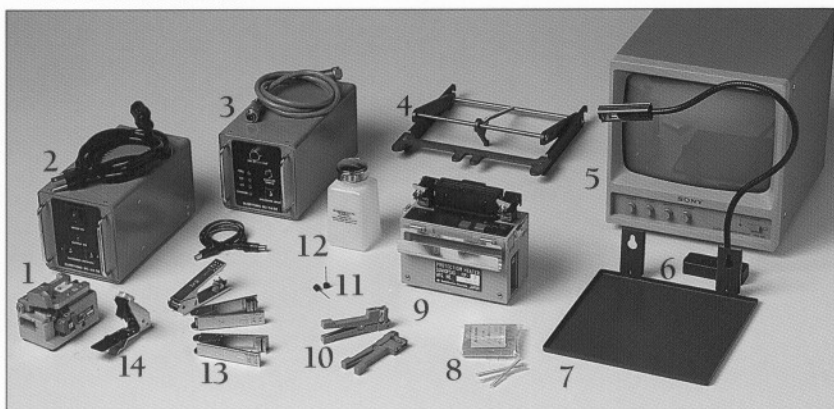
Thermally activated Fiber Protection Sleeve shrinks tight around splice joint, providing environmental protection and strength for long-term storage. Stainless spine adds mechanical strength.

### Rugged, Reliable Power To Go.



Compact battery unit has a 4-LED open-circuit battery check and fused outputs. Good for a typical 60 splices per charge, including heat cycle. Two-port charger recharges one battery in 8 hours, two in 14 hours.

## ACCESSORIES



1. Precision Fiber Cleaver
2. Battery Charger With AC Power Cord
3. Battery Unit With DC Patch Cord
4. Splice Tray Holder
5. Video Monitor (9")
6. Splice Light With DC Patch Cord
7. Work Table
8. Fiber Protection Sleeves
9. External Splice Protection Heater
10. Tube Cutters
11. Replacement Electrode Set
12. Solvent Dispenser
13. Jacket Removers
14. Hand-Held Cleaver

For Type-35SE ordering information please contact Sumitomo

## SPECIFICATIONS

### ENVIRONMENTAL CONDITIONS

Operation temperature	-10 ° ~ 50° C (14° ~ 122° F)
Operation humidity	95% RH non-condensing
Storage temperature	-40° ~ 66° C (-40° ~ 150° F)
Storage humidity	Non-condensing

### PROGRAM

No. of fusion condition settings	3 fiber profiles with 7 programs each, totaling 21 sets of programs
Parameters	5 parameters for each program
Fiber alignment	core (SM) or cladding (SM and MM)
Fiber diameter	similar or dissimilar
Display message	language selectable

### FIBER REQUIREMENTS

Material	Silica glass
Type	Single Mode or Multi Mode
Cladding diameter	80 - 150 $\mu$ m
Fiber coating diameter	1.5 mm maximum
Cleave length	16-9 mm; 4 mm (4 mm, 9 mm optional)
Core Size	4 -to-14 $\mu$ m single mode, 50/125 $\mu$ m, 62.5/125 $\mu$ m 100/140 $\mu$ m multi-mode

### PHYSICAL CHARACTERISTICS:

Size	220W x 210H x 255D mm (8.7W x 8.3H x 9.3D inches)
Weight	10 kg (22 lbs.)
LCD monitor size	76 mm (3 inches) diagonal

### EXTERNAL TERMINALS

Data communications	D-sub 9 pin jack (RS232C)
12 VDC input terminal	for remote power source: BU-05SE
12 VDC output terminal	for SPL-1
Video output	BNC type jack (for NTSC video signal)

### TYPICAL PERFORMANCE

Typical splice loss	0.03 dB (when using Homogeneous SM Fiber) 0.02 dB (when using Homogeneous MM Fiber)
Typical splice cycle time	45 seconds (set-to-loss estimate)
Data memory	100 splice loss estimates
Battery life (BU-05SE)	60 splices per full charge (includes heat cycle)
Battery charging time (BC-03SE)	8 hrs for 1 battery 14 hrs for 2 batteries

### POWER REQUIREMENTS

Input	85 ~ 265 V AC (50 ~ 60 Hz, 34W) 11 ~ 14.5 V DC (29W)
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