

# Splicers Fusion



## Type-25U/S/M Fusion Splicers



### Description:

Sumitomo's TomCat™ splicers are the industry's first "full-featured" hand-held fiber splicers offering both the agility and the robustness required for FTTx, premise, restoration, and optical component assembly applications. Easy-to-use, easy-to-learn, these portable battery-operated splicers reduce training time for efficient deployments—making fusion splicing the choice for both optimum reliability and affordability.

Included in the "full-featured" distinction of the TomCat splicers are adjustable position monitors that allow the user to observe the fiber during the splicing process. Their

front-to-back workflow makes the splicers ideal when limited fiber slack is available, in aerial, taut-sheath applications, and for component testing. Sumitomo's fiber holder system facilitates quick and easy fiber preparation and placement.

The splicers' small footprints maximize workspace and enable precision splicing at a close proximity to the splice point for optimal flexibility. All TomCat units are optimized for both single-mode and multimode fibers and are manufactured with the same Sumitomo commitment to quality and reliability.

Specifications	Type-25U	Type-25S	Type-25M
<b>Alignment Method</b>	Fixed V-Groove		
<b>Fiber Requirement</b>	Silica Glass		
<b>Fiber Type</b>	SMF and MMF		
<b>Cladding Diameter</b>	125µm		
<b>Typical Splice Time</b>	<13 Seconds		
<b>Heater Time</b>	<40 Seconds		
<b>Cleave Length</b>	10mm		
<b>Battery Operation</b>	30 Splices (Fully Charged)		
<b>Number of Fiber Programs</b>	15		
<b>Arc Power Compensation</b>	Automatic Arc Test		
<b>Altitude</b>	0-3660m (12,000 Feet)		
<b>Fiber Count</b>	1 ct.	1 ct.	Up to 4f Ribbon
<b>Typical Splice Loss SMF/MMF</b>	0.10/0.04dB	0.05/0.03dB	0.05/0.03dB
<b>Splice Loss Estimation</b>	No	Yes	Yes

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#### Features:

- Dual Camera Splice Loss Estimation (Type-25S and Type-25M Models)
- Compact, Lightweight (3.3 lbs) Design Simplifies Splicing In Confined Areas.
- 30 Splices on a Single Battery
- Two Bay Battery Charger
- Automatic Arc Test Function
- Mounting Holes for Securing the Splicer to a Workstation for Aerial, Pole, and Pedestal Applications
- Fiber Holders Allow for Quick and Easy Fiber Placement
- Automatic Splice In Less than 13 Seconds for SMF or MMF

#### Physical Characteristics

<b>Size</b>	120W x 160D x 145H mm (4.7W x 6.2D x 5.7H in)
<b>Weight</b>	1.5 kg (3.3 lbs)
<b>Power Requirement</b>	12V DC
<b>Wind Protection</b>	30 mph (15 m/s)

#### Ordering Information

Description	Part Number
Splicer Kit With Accessories, Type-25U	TYPE-25U-KIT-4
Splicer Kit With Accessories, Type-25S	TYPE-25S-KIT-4
Splicer Kit With Accessories, Type-25M	TYPE-25M-KIT-1

#### Accessories

Description	Part Number	UOM
Aerial Work Platform Kit With Mounting Arm	APF-03-KIT	1 ea.
Battery Charger and Cord	BC-HH2	1 ea.
Battery Unit	BU-HH2	1 ea.
Electrodes	ER-9	1 ea.
Hand-held High Precision Single Fiber Cleaver	FC-7	1 ea.
Single Fiber Adapter (250µm and 900µm)	FC6-ADAPTER	1 ea.
Fiber Scrap Catcher	FC6-CATCHER	1 ea.
High Precision Cleaver, Single or Ribbon, With Fiber Scrap Catcher	FC-6M-C	1 ea.
Combination Jacket Remover, 900µm and 250µm, With Replaceable Blades	JR-25	1 ea.
Thermal Jacket Remover, 1 ct. to 4 ct. Ribbon, Battery Operated, Includes Battery and 2-bay Battery Charger.	JR-5B	1 ea.
250µm Fiber Holders	FH-250-HH	1 pr.
900µm Fiber Holders	FH-900-HH	1 pr.
4 ct. Fiber Ribbon (Type-25M Only)	FH-04-HH	1 pr.
Single Fiber, 250 to 900µm, 60mm, 50 Sleeves	FPS-1	1 pk.
Single Fiber, 250 to 900µm, 40mm, 50 Sleeves	FPS-40	1 pk.
Single Fiber, 250 to 900µm, 26mm, 24 Sleeves	FPS-26	1 pk.
2 to 8 ct. Fiber Ribbons, 40mm, 25 Sleeves	FPS-5	1 pk.
AC Interface Kit	PS-HH2	1 ea.
Cleaver Blade	FCP-BL	1 ea.
V-groove Brush	VGB-003-CR	1 ea.

#### Type-25U-Kit-4 and Type-25S-Kit-4

##### Components:

- Fusion Splicer
- Fiber Cleaver
- Jacket Remover
- Carrying Case
- Battery
- Battery Charger
- V-groove Brush
- Spare Electrodes
- Operation Manual
- 250µm Fiber Holders

#### Type-25M-Kit-1

- Contains All of the Above, But Includes 4 ct. Ribbon Holders