

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

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(cont'd)

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

| | |
|--------------------------|---|
| Size | 120W x 160D x 145H mm (4.7W x 6.2D x 5.7H in) |
| Weight | 1.5 kg (3.3 lbs) |
| Power Requirement | 12V DC |
| Wind Protection | 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