

Splicers

Fusion



TuffCat™ Type-66 Dual Heater Mass Fusion Splicer



Description:

The Type-66 TuffCat mass fusion splicer features the industry's first Dual-Automatic-Splice Protection Sleeve Heater System — Sumitomo's exclusive patent-pending innovation. The dual heater system's simultaneous operation helps to eliminate squandered time waiting for a single heater system to complete its cycle. Instead, the streamlined splicing process reduces the bottle neck of "heater wait time" by 88%, improving mass splicing efficiency and productivity in the field by 70%.

The TuffCat features an effortless fiber holder system to increase splice repeatability while making the unit easy to use regardless of the operator's experience level. Utilizing precision v-groove alignment, the TuffCat

can be used for all types of ribbon and single splicing with an optimum arrangement for ease of use in trunk, aerial, or taut-sheath applications.

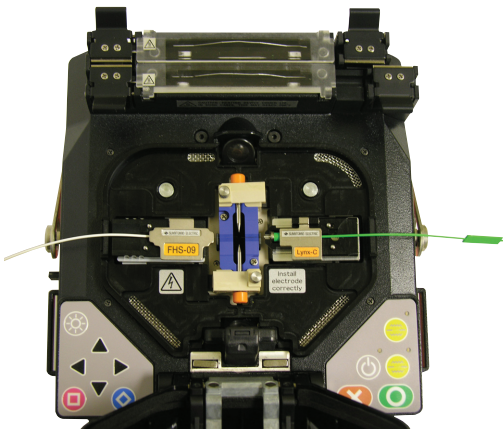
The TuffCat mass fusion splicer embodies Sumitomo's mission of customer focused engineering by reducing the customer's overall cost of ownership. The unit features electrodes common with both the Type-39 FastCat and Type-25e TomCat splicers to reduce the customer's inventory cost, as well as simplifying the ordering process. The Type-66 fiber holders are compatible with the Type-25e TomCat handheld splicers, as well as existing Sumitomo Type-61, 62, 63 and 65 fusion splicers.

Specifications

Alignment Method	Fixed V-groove
RoHS	Compliant (engineered to be more environmentally friendly)
Fiber Requirement	Silica Glass
Number of Fibers	1-12
Fiber Placement	Fiber Holder System (Unified Holders for Type-25e/Type-66/Type-65)
Cladding Diameter	125µm
Coating Diameter	Ribbon 250µm Single: 250 and 900µm
Typical Splice Time	20 seconds
Typical Splice Loss, Identical Fibers	SMF: 0.04dB, MMF:0.03dB, NZ-DSF: 0.07
Built-In Dual Splice Protection Sleeve Heater	Dual Independent Splice Protection Sleeve Heaters
Heater Cycle Time	Heater 1 40 seconds Heater 2 40 seconds
Arc Test Compensation	Automatic
DC (Battery Operation)	Standard: 70 Splices & Heater Cycles Extended Life: 140 Splices & Heater Cycles
Arc Test	Automatically Compensates for Environmental Conditions
Interface	USB for PC Interface RCA Jack for External Monitor 12 Volt DC Output for Accessories
Display Type	5.6 Inch Color TFT Low Glare High Resolution Color Monitor
Display Positions	Multiple Positional for Front to Back/ Back to Front Work Flow
Selectable Language Options	18 Language Options including Spanish
Lynx—CustomFit™ Splice-On Connector	Compatible
Splice Data Storage	2000 Splice Points

Splicers Fusion

TuffCat™ Type-66 Dual Heater Mass Fusion Splicer (cont'd)



Shown with Optional Lynx CustomFit™ Splice-On Connector

Features:

- Dual Independent Splice Protection Sleeve Heaters
- RoHS Compliant
- Splice-On-Connector Compatible
- 5.6" Switchable Color Monitor for Front to Back or Back to Front Operation
- Automatic Splice Start
- Automatic Heater Start
- Fiber Alignment Vibration Clamps
- Extended Life Battery: 140 Splices & Heater Cycles per Charge
- User-Friendly Menu Selection System with On-Screen Assistance
- Spanish Language Option Standard
- 24-Hour Technical Support via 888-SPLICER

Physical Characteristics

Size	150W x 150D x 150H mm (5.9W x 5.9D x 5.9H)
Weight	2.7 kg (5.95 lbs)
Power Requirement	Input: 100 to 240V AC; 5-/60Hz, 12V DC
Display	5.6 Inch TFT Low Glare High Resolution Color Monitor
Wind Protection	30 mph (15 m/s)
Battery Operation	Standard 70 Splices & Heater Cycles Extended Life 140 Splices & Heater Cycles

Ordering Information

Description	Part Number
Splicer Kit with Accessories, Type-66	Type-66-KIT-1
Splicer Kit with Accessories, Type-66	Type-66-KIT-2

Type-66-Kit-1 Components:

- Splicer
- Cleaver
- Heated Jacket Remover
- Power Cord
- V-Groove Brush
- Spare Electrodes
- Manual
- 250µm Holders,
- 12 Count Ribbon Holders
- Hard Case
- Battery and Charging Cable

Type-66-Kit-2 Components:

- Includes all items from Type-66-Kit-1 plus;
- Ribbonizing Tool
- Consumable Kit

Accessories

Description	Part Number	UOM
Standard Battery, 70 Splice and Heater Cycles per Charge	BU-66S	1 ea.
XL Battery, 140 Splice and Heater Cycles per Charge	BU-66XL	1 ea.
Battery Charger Cable	BCC-66	1 ea.
12 V DC, Car Adapter Battery	PC-V66	1 ea.
Power Supply / Battery Charger Module	PS-M2	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.
Fiber Protection Sleeves (2-12 Fiber Ribbon, 5 Sleeves)	FPS-6-5P	1 pk.
250 µm Single Fiber Holder (T-25e & T-61 to T-66)	FHS-025	1 pr.
900 µm Single Fiber Holder (T-25e & T-61 to T-66)	FHS-09	1 pr.
Ribbon Holders: 2; 4; 6; 8; 10 and 12 Count	FHM- 2, FHM-4, FHM-6, FHM-8, FHM-10, FHM-12	1 pr.
Fiber Arrangement Tool, Ribbon Maker	FTA-2	1 ea.
Consumable Kit for FTA-2	FAC-24	1 pk.
Spare Electrodes	ER-10	1 ea.
Precision Fiber Optic Cleaver	FC-6M-C	1 ea.
FC-6 Cleaver Series Scrap Catcher	FC6-CATCHER	1 ea.
Jacket Remover	JR-5	1 ea.
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.

See page F11 for complete Lynx—CustomFit™ Splice-On Connector ordering information.