

Splicers

Fusion



Type-46 TomCat® plus Fusion Splicer



Description:

Sumitomo's Type-46 TomCat *plus* Fusion Splicer is the industry's 1st and only fixed v-groove fusion splicer with built-in dual heat shrink ovens featuring automatic splice and heater start functions, making the TomCat *plus* the fastest v-groove splicer available today. Like the proven Type-25e TomCat, the TomCat *plus* utilizes passive diameter alignment splicing technology for repeatable low loss results.

The unit enhances Sumitomo's standard TomCat Fusion Splicer with enough battery capacity to perform up to 240 splices and heater shrinks per battery charge. The monitor has been increased in size to 5.6" inches and can be easily adjusted 180 degrees for optimal viewing or effective work flow operation. The TomCat *plus*

features auto-start and auto-heater functions, internal memory for up to 2000 splicing points, and adjustable battery-saving settings.

The TomCat *plus* is compatible with the latest fiber termination breakthrough — the Lynx2 CustomFit® Splice-on Connector. The Lynx2 Splice-on Connector is the most efficient and economic choice for custom terminations.

The TomCat *plus* continues Sumitomo's mission of customer focused engineering by offering the advanced features of legacy splicers with the economic benefits of precision fixed v-groove technology and a user-friendly fiber holder system.

Specifications

Fiber Requirement	Silica Glass
Applicable Fiber Types	SMF, MMF, DSF, NZ-DSF, BIF/UBIF
Coating Diameter	250µm, 500µm, 600µm or 900µm
Cladding Diameter	125µm
Typical Splice Loss, Identical Fibers	SMF: 0.05dB MMF: 0.02dB NZDSF: 0.08db
Alignment Method	Fixed V-Groove (Diameter Alignment)
Typical Splice Cycle Time	14 Seconds
Typical Heat Cycle Time	40 Seconds
Battery Operation: Splice and Heat Shrink	BU-66S: 120 BU-66XL: 240
Number of Fiber Profiles	Max. 60
Number of Heater Profiles	Max. 20
Internal Splice Data Storage	2000 Splices
Monitor Position	Multiple Position Monitor
External Interface	USB1.1 Type-B RCA Output DC Input for Car Battery Operation 12V DC Out
Arc Test	Automatically Compensates for Environmental Conditions
Menu Selection	User Friendly Menu
Return Loss	<-70dB
Proof Test	Internal 200g (1.96N)

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Shown with Optional Lynx2 –CustomFit Splice-on Connector

Features:

- Only Fixed V-Groove Fusion Splicer with Dual Heat Shrink Ovens
- Automatic Splice Start
- Extended Life Battery: 240 Splices and Heater Cycles Per Charge
- Lynx2 Splice-on Connector Compatible
- 5.6" Switchable Color Monitor for Front to Back or Back to Front Operation
- Automatic Heater Start
- Easy to use Fiber Holder System
- 24-Hour Technical Support via 1-888-SPLICER
- RoHS Compliant

Physical Characteristics

Size	150W x 150D x 150H mm
Weight	2.8 kg
Display	5.6 inch TFT Low Glare High Resolution Color Monitor
Wind Protection Max.	30 mph (15 m/s)

Ordering Information

Description	Part Number
Splicer Kit with Accessories, Type 46	Type-46-KIT-1
Splicer Kit with Accessories, Type 46	Type-46-KIT-2
Splicer Kit with Accessories, Type 46	Type-46-KIT-2R

Type 46-KIT-1 Components:

- Type-46 Fusion Splicer
- Hard Transit Case
- AC Interface/Battery Charger
- Standard Battery
- Cleaning Tools
- Fiber Protection Sleeve Cooling Tray
- Manual
- Fiber Optic Stripper
- 250µm & 900µm Fiber Holders
- Fiber Protection Sleeves (50)

Type 46-KIT-2 Components:

- Includes KIT-1 Contents Above; Plus FC-6S-C Fiber Optic Cleaver

Type 46-KIT-2R Components

- Includes KIT-1 Contents Above; Plus FC-7R Hand-Held Auto. Blade Rotation Cleaver

Accessories

Description	Part Number	UOM
Standard Battery, 120 Splice and Heater Cycles	BU-66S	1 ea.
XL Battery, 240 Splice and Heater Cycles	BU-66XL	1 ea.
12v DC, Car Adapter Battery	PC-V66	1 ea.
Battery Charger Cable	BCC-66	1 ea.
Power Supply / Battery Charger Module	PS-MS	1 ea.
Spare Electrode	ER-10	1 pr.
Table Top Precision Fiber Cleaver with Catcher	FC-6S-C	1 ea.
Hand Held Precision Fiber Cleaver with Auto. Blade Rotation and Catcher	FC-7R	1 ea.
Fiber Protection Sleeves (Single Fiber, 40mm, 10 Sleeves)	FPS-40-10P	1pk.
Fiber Protection Sleeves (Single Fiber, 60mm, 50 Sleeves)	FPS-1	1pk.
V-Groove Brush	VGB-003-CR	1pk.