Specifications

		TYPE-66M12
Optical fiber requirements	Material	Silica glass
	Profile types	SMF (ITU-T G.652), MMF(ITU-T G.651), DSF(ITU-T G.653), NZDSF (ITU-T G.655)
	Fiber count	1, 2, 4, 5, 6, 8, 10, 12
	Cladding diameter	125μm
	Coating diameter	Ribbon fiber thickness: 280~400μm Single fiber: 250μm, 500μm, 900μm
	Cleave length	10mm
Standard performance	Splice loss (Typical)	SMF: 0.05dB, MMF: 0.03dB, DSF: 0.08dB, NZDSF: 0.08dB (With Sumitomo identical fibers)
	Splice cycle time	Approx. 20 seconds (for 12-fiber ribbon)
	Heat shrink oven cycle time	Approx. 75 seconds (for 12-fiber ribbon) Both ovens can be operated simultaneously.
	Splice & heat cycles per fully charged battery	Approx. 80 (with BU-66S), Approx. 160 (with BU-66L) *1
	Fiber view and magnification	Two CMOS cameras observation 36X for X or Y single axis view, 36X for both X & Y dual axis view
Programs	Splice programs	Max. 60
	Heating programs	Max. 20
Functions	Loss estimation	Provided
	Splice data storage	2,000 splices
	Proof test	1.96N (200gf)
	Automatic arc test	Provided
	V-groove white LED illumination	Provided
Size/Weight	Size	150(W) x 150(D) x 150(H) mm
	Weight	Approx.2.9kg(including PS-66)
	Monitor	5.6" TFT color monitor
Power supply	Power requirement	AC operation, Battery operation, Car battery operation (option)
	Battery module	NiMH
	AC Input	100V~240V (50/60Hz)
	DC Input	DC 12V (for PC-V66 (option))
Terminals	DC output terminal	DC 12V (for JR-6 hot jacket remover)
	USB port	USB1.1 type-B
	Video output terminal	RCA jack NTSC
Operating condition		Altitude 0 to 3,660m, Humidity 0%~95% (non-condensing), Temperature -10℃ ~ +50℃, and up to 15m/s wind velocity
Storage condition		Humidity 0%~95% (non-condensing), Temperature -40℃ ~ +80℃, Battery: -20℃ ~ +30℃ (if stored for less than 1 year)

*1 This number is not guaranteed. 3 minute splice and heating cycle is repeated with a new fully charged battery in room temperature. A hot jacket remover is not used. Splice & heat cycles may vary depending on the operating environment.

Standard package

Part name	Part No.	Quantity
Main unit	TYPE-66M12	1 pc
Power supply module (AC adapter and battery charger)	PS-66	1 pc
Power cord	PC-AC<X>	1 pc
Battery charge cord	BCC-66	1 pc
Cooling tray	–	1 pc
Spare electrodes	ER-10	1 pair
Operation manual	–	1 pc
Quick reference guide	–	1 pc
Carrying case	CC-66	1 pc

Optional accessories

	Part name	Part No.	Description
Optional accessories for main unit	Battery module	BU-66S	Standard battery (NiMH)
		BU-66L	Extended battery (NiMH)
	Battery charge cord	BCC-66	Connects between PS-66 and BU-66S/L for battery charge
	Power supply module	PS-66	AC adapter and battery charger
	Car battery cable	PC-V66	For car battery operation (cigarette socket type)
	Electrodes	ER-10	Electrodes for TYPE-39/25e/66
	Fiber holder	FHS-025	For single fiber with 250μm coating
		FHS-05	For single fiber with 500μm coating
		FHS-09	For single fiber with 900μm coating
		FHM-2	For 2-fiber ribbon
		FHM-4	For 4-fiber ribbon
		FHM-5	For 5-fiber ribbon
		FHM-6	For 6-fiber ribbon
		FHM-8	For 8-fiber ribbon
		FHM-10	For 10-fiber ribbon
		FHM-12	For 12-fiber ribbon
	Dispenser	HR-3	Dispenser for alcohol
Other accessories	Fiber cleaver	FC-6M-C	Fiber cleaver for up to 12-fiber ribbon
		FC-7R-F	Fiber cleaver for up to 8-fiber ribbon
	Jacket remover	JR-M03	Jacket remover for single fiber
		JR-6	Hot jacket remover for ribbon fiber (powered with battery, splicer or AC adapter)
		BU-6	Battery for JR-6
		ADC-1220S	AC adapter for JR-6
		PC-B[C]	DC cord for connection between splicer and JR-6
	Fiber protection sleeves	FPS-1	For single fiber/60mm
		FPS-40	For single fiber/40mm
		FPS-5	For ribbon fiber/40mm (single and up to 8-fiber ribbon)
		FPS-6	For ribbon fiber/40mm (single and up to 12-fiber ribbon)

Standard package & Optional accessories

Carrying case **CC-66**

Hot jacket remover **JR-6**

Fiber cleaver **FC-6M-C**

Fiber cleaver **FC-7R-F**

The production process of this product meets ISO 9001.(JQA Certificate Number:JQA-1135)

SUMITOMO ELECTRIC INDUSTRIES, LTD.

Tokyo (JAPAN)
Sumitomo Electric Industries, Ltd.
(Global Business Dept.)
3-9-1, Shibaura, Minato-ku, Tokyo 108-8539 JAPAN
Tel: +81 (0)3 6722 3246
http://global-sei.com

North Carolina (U.S.A)
Sumitomo Electric Lightwave Corp.
78 Alexander Drive, P.O. Box 13445, Research Triangle Park, NC 27709 U.S.A
Tel: +1 919 541 8100
http://www.sumitomoelectric.com

London (U.K)
Sumitomo Electric Europe Ltd.
220 Centennial Park, Centennial Avenue, Elstree, Herts, WD6 3SL, U.K.
Tel: +44 (0)20 8953 8118
http://www.sumielectric.com

Hong Kong
Sumitomo Electric Asia, Ltd.
Tel: +852 2576 0080

Beijing (China) SUMIDEN ASIA (SHENZHEN) Co., Ltd. (Beijing Branch)
Tel: +86 10 6590 8196

Shanghai (China) SUMIDEN ASIA (SHENZHEN) Co., Ltd. (Shanghai Branch)
Tel: +86 21 6235 1036

Guangzhou (China) SUMIDEN ASIA (SHENZHEN) Co., Ltd. (Guangzhou Branch)
Tel: +86 20 3877 2808

Bangkok (Thailand)
Sumitomo Electric (Thailand), Ltd.
Tel: +66 (0)2 260 7231 to 5

Singapore
Sumitomo Electric Interconnect Products (Singapore) Pte., Ltd.
Tel: +65 6261 3388

New Delhi (India)
Sumitomo Electric Industries, Ltd.
New Delhi Liason Office
Tel: +91 120 434 7701 to 7702

Manila (Philippines)
Sumitomo Electric Industries (Philippines) Incorporated
Tel: +63 2 811 2755 to 2756

■ Specifications are subject to change without prior notice.

Printed in japan
EH-343R(2010.10)
(NS)

SEI

Mass fusion splicer
TYPE-66

Functional versatility provides professional support for optical backbone network.

Ingenious Dynamics

SUMITOMO ELECTRIC

Mass fusion splicer

TYPE-66

Advanced electronic design with added convenience and functionality.
The industry's first dual independent heat shrink ovens enable highly efficient operation, auto splice and heater start function. Newly desighed fiber holders and unique fiber clamping system can help make splicing more efficient and successful.
New low power saving and eco-friendly design with pollutant-free materials for the global environment.
Try another innovation from Sumitomo.

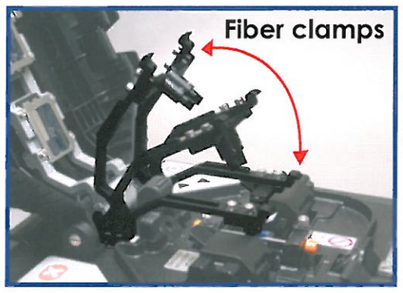
The industry's first fusion splicer!

Dual independent heat shrink ovens

The TYPE-66, features dual heat shrink ovens, an industry first.
A second heat shrink cycle can be started while the first is still in process. (UP patent 7,412,146)

Auto start of splicing and heat shrinking

Auto start functions make the TYPE-66 the fastest splicer available today.
The splicing process is automatically started when the hood isclosed.
The heat shrinking process automatically starts when fiber is placed into the heat shrink oven. (UP patent 7,412,146)



Detachable/attachable fiber clamps

Fiber clamps can be operated with the wind hood or independently.

Improved battery technology

New extended life battery enables up to 160 splice and heat cycles.

Faster splice and heat shrink processes

Splice cycle time of approx. 20 seconds in quick mode (for 12-fiber ribbon)
Individual heater cycle time of approx.
75 seconds for quick efficient splice protection (with Sumitomo FPS-6)

V-groove white LED illumination

White LED illuminates the V-grooves to aid fiber loading in poor light conditions and dark workplaces.

Sumitomo's ongoing advanced technology

FFES optical system*1
Displays all fibers simultaneously in focus and with equal magnification.
Allows easy visual checking of fibers.

*1 FFES: Full fiber in Focus with Equal Size (US Patent 6,287,020)

New rugged wind hood

Monitor protection panel

Highly resistant to shock and water.

USB port for PC interface

USB interface for quicker splicer to PC data transfer

Dedicated DC output terminal

Connected to JR-6 hot jacket remover

Heat cycle status indicator bar

Provides a visual indication of the heat cycle progress.

European Union RoHS compliant

Pollutant-free materials and eco-friendly design solutions