

Specifications

Applicable fibers*1	SM (ITU-T G.652 / G.657A1 / G.657A2), MM (ITU-T G.651), DS (ITU-T G.653) NZD (ITU-T G.655), UBIF (ITU-T G.657B3)
Fiber count	2, 4, 6, 8, 12
Cladding diameter	125 µm
Fiber coating diameter	Single fiber: 200 µm, 250 µm, 900 µm Ribbon fiber: 200 µm, 250 µm, 200-250 µm pitch transition (with holders)
Fiber cleaving length	10mm
Average splice loss*2	SM: 0.05dB MM: 0.03dB DS: 0.08dB NZD: 0.08dB BIF: 0.05dB
Typical splice time	12-fiber ribbon: 15sec. Single fiber: 13sec.
Typical heating time	12-fiber ribbon: 28sec. Single fiber: 13sec.
Splice program	Max. 300
Heat program	Max. 100
Applicable protection sleeve length	40mm / 60mm
Tension test	1.96N
Discharge compensation function	Automatic correction according to temperature and atmospheric pressure
Optical fiber observation method	Two-way observation from X and Y axes
Monitor	4.3 inch wide LCD monitor with touch screen
Magnification	24X magnification
Splice result storage / Image capture capacity	Last 10,000 splices / Last 100 images to be automatically captured
Dimensions	139W x 209D x 114H mm (not including shock absorber) 179W x 246D x 131H mm (including shock absorber)
Weight	1.8kg (with battery)
Data output	USB ver.2 mini B x 1 port, Standard A x 1 port
Power source	AC : 100-240V (50/60Hz) DC : 11-24V
Battery capacity*3	170 splice and heating cycles
Electrode life*4	2,000 splice
Operating condition	Altitude: 0-2,000m Wind protection: 15m/s Operating temperature: -10 to +50 °C (non-condensing)
Storage condition	-40 to +60 °C (non-condensing)

*1 Corresponding to optical fiber in compliance with ITU-T recommendation.

*2 This numerical number is the one when measured for the purpose to show the fusion splice characteristics in the testing method of IEC 61073-1, it is not the one to guarantee the splicing loss.

*3 Number of times that the fusion splicing of the fiber and the heat reinforcement can be performed continuously at a rate of once a 90seconds at the room temperature (20°C) condition when using a new 100% charged battery. The number of times you can use depends on the state of the battery and usage.

*4 The number of times will vary depending on the state of the electrode rod and the operating environment.

Standard Package

Item	Model No.	S124M12-3-0 (Qty)	S124M12-3-1 (Qty)
S124M12 main body	S124M12-X-A-0001	1	1
Hard carrying case	HCC-05	1	1
Battery pack	S947	1	1
Spare electrode	ELR-01	1	1
AC adapter	S979	1	1
AC power cord	—	1	1
Cooling tray	CTX-03	1	1
Cleaning blush	VGC-01	1	1
Electrode sharpener	D5111	1	1
Tool case	TCC-01	1	1
LCD anti-reflective sheet	ARS-01	1	1
Quick Reference guide	FTS-558	1	1
Instruction manual	UMC-03	1	1
Wi-Fi dongle	WFD-01	0	1

