TYPE-71C+

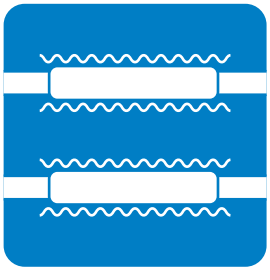
SUMITOMO ELECTRIC

## Wireless LAN enabled
## High Definition Core Monitoring fusion splicer

# TYPE-71C+

# Rapid, Elite, Connected

## Faster Splicing 6sec / Heating 14sec
## Splicing loss SMF 0.01dB (Typical)



Fully Optimized Two Independent Heaters for High Productivity

Wireless LAN Connectivity & Useful Smart Phone App

Touch Screen Control Panel

Durable & Rugged

SUMITOMO ELECTRIC GROUP

## Specifications

| Items | | TYPE-71C+ |
|---|---|---|
| Optical fibre requirements | Material | Silica glass |
| | Fibre count / Profile types | Single / SMF(G.652), MMF(G.651), DSF(G.653), NZDSF(G.655), BIF(G.657), EDF |
| | Fibre diameter | Cladding diameter : 80 ~ 150µm, Coating diameter : 100 ~ 1,000µm |
| | Cleave length | 5 ~ 16mm with coating clamp |
| Standard performance | Splice loss (typical)*1 | SMF : 0.01dB, MMF : 0.01dB, DSF : 0.03dB, NZDSF : 0.03dB |
| | Return loss (typical) | 60dB or greater |
| | Splice time (typical) | 6sec(SM G652 Quick Mode), 7sec(SM G652 Std. Mode), 8sec(Auto Mode) |
| | Heating time (typical) | 14sec (FPS-61-2.6 sleeve, Slim 60mm Quick Mode ) |
| | Splice & Heat cycles per battery full charge*2 | Approx. 230 (BU-11) |
| | Fibre view & magnification | 2 CMOS cameras observation,<br>320X (zoom : 700X) for X or Y single axis view, 88X for both X & Y dual axis view |
| | Proof test | 1.96 ~ 2.09N |
| | Applicable protection sleeve | 60mm, 40mm & Sumitomo Nano sleeves |
| Programs | Splice programs | Max. 300, 74 are pre-optimsed, 226 editable by user |
| | Heating programs | Max. 100, 24 are pre-optimsed, 76 editable by user |
| Functions | Splice image capture / Splice data storage | 200 images / 10,000 splice data (internal memory only)  50,200/20,000 (with 8GB SD card) |
| | Attenuation splicing | 0.1dB to 15dB in 0.1dB increments |
| | Universal clamps | Provided, 250µm, 900µm tight & loose buffer fibre |
| | Reversible coating clamps | Provided |
| | Dual automatic independent heaters | Provided |
| | User-selectable heater clamp operation | Provided |
| | Onboard user training video | Provided |
| | Automatic fibre identification | SMF / MMF / DSF / NZDSF / BIF / Other |
| | Automatic arc calibration | Automatically compensates for environmental condition changes |
| | Display of remaining Splice & Heat cycles | Provided (Battery mode) |
| | Wireless LAN connectivity (Option)*3 | Provided |
| Size / Weight | Size | 120(W) x 154(D) x 130(H) mm (without anti-shock rubber) |
| | Weight | 1.8kg (without Battery) / 2.0kg (with Battery BU-11S) / 2.1kg (with Battery BU-11) |
| | Monitor | 4.1" touch screen color LCD display |
| Terminals | DC output | DC 12V (for JR-6) |
| | USB port | USB 2.0 (mini-B type) |
| | Storage media | SD / SDHC memory card MAX32GB |
| Power supply | AC input | AC 100 ~ 240V, 50/60Hz (ADC-1430S) |
| | DC input | DC 10 ~ 15V |
| | Battery pack | Li-ion 11.1V, 2,300mAh (BU-11S) / Li-ion 11.1V, 4,600mAh (BU-11) |
| Operating condition | | Altitude : 0 ~ 6,000m, Temperature : -10 ~ +50°C, Humidity : 0 ~ 95% (non-condensing),<br>Wind velocity : up to 15m/sec |
| Storage condition | | Temperature : -40 ~ +80°C, Humidity : 0 ~ 95% (non-condensing), Battery : -20 ~ +30°C (long term) |
| Electrode life *4 | | 6,000 arc discharges |
| Software updates | | Internet |
| Data management | | Can be stored, edited and analyzed by dedicated PC software |

*1 : Average value of the final inspection in room temperature with Sumitomo identical fibre. Measured by cut-back method relevant to ITU-T and IEC standards.
*2 : Splice & Heat cycles may vary depending on the battery status and the operating environment.
*3 : Wireless LAN connectivity is not available in all countries. For more details, please refer to our Web site. http://global-sei.com/sumitomo-electric-splicers/
*4 : Achieved in lab condition. Electrode life may vary depending on the operating environment.

## Environmental Durability*

| | Test details |
|---|---|
| Shock resistance | Drop from 76cm on 5 faces (excluding top face) |
| Water resistance | Equivalent to IPx2 (Operates normally after being exposed to water dripping at 3mm/min. for at least 2.5 min on each of 4 surfaces tilted at 15°) |
| Dust resistance | Equivalent to IP5x (Operates normally after 8 hours in a test chamber with circulating dust particles smaller than 75 µm) |

*Splicer operation after shock, water or dust tests, was confirmed under battery power, by Sumitomo.
Does not guarantee the product will not be damaged by these conditions.

## Basic Accessories

| Part name | Part No. | Qty. |
|---|---|---|
| AC adapter | ADC-1430S | 1 pc |
| AC power cord | PC-AC<X>* | 1 pc |
| Cooling tray | — | 1 pc |
| Spare electrode | ER-10 | 1 pair |
| Operating CD manual | — | 1 pc |
| Quick reference guide | — | 1 pc |
| Carrying case with worktable | CC-71+ | 1 pc |
| Hand strap | — | 1 pc |
| USB cable | — | 1 pc |

*X=2(USA), 3(EU), 4(JP), 5(UK), 6(AUS), 7(South Africa)
Items listed in Basic Accessories are always included with the splicer body. Overall kit content may vary regionally. Please check with your local authorised reseller to confirm kit content in your region.

## Accessories

| | Part name | Part No. | Remarks |
|---|---|---|---|
| Accessories for Splicer | Wireless LAN SD card | WLSD-0308 | For SumiCloud™ connection |
| | Fibre holder | FHS-025 | For ϕ0.25mm single fibre |
| | | FHS-09 | For ϕ0.9mm single fibre |
| | | FHS-025/LB5 | For 0.9mm loose buffered single fibre |
| | | FHD-1 | For drop/indoor cable(Cable size : typical 2.0 x 3.1 or 2.6mm) |
| | | 1SM-ST | For indoor cable (Cable size : typical 1.6 x 2.0mm) |
| | | FHC-3 | For 3mm cable |
| | | Lynx2-UML-S | For Φ3mm cord and Φ0.9mm single fibre |
| | Battery pack | BU-11/11S | Li-ion 4,600mAh BU-11, 2,300mAh BU-11S |
| | Battery charger | BC-11 | — |
| | Car battery cable | PCV-11 | For car battery operation (cigarette socket type) |
| | V-groove cleaning brush | VGT-2 | Brush for cleaning V-groove |
| | Electrode | ER-10 | — |
| Accessories | Handheld fibre cleaver | FC-8R-FC | Automatic blade rotation cleaver with cleave counter |
| | | FC-8R-F | Automatic blade rotation cleaver |
| | Fibre cleaver | FC-6S-C | Table-top high precision cleaver |
| | | FC-6RS-C | Automatic blade rotation cleaver |
| | Jacket remover | JR-M03 | Jacket remover for single fibre |
| | Loose tube cutter | LTC-01 | — |
| | Alcohol dispenser | HR-3 | — |
| | Fibre protection sleeve | FPS-1 | 60mm, diameter after shrink approx. ϕ3.2mm |
| | | FPS-40 | 40mm, diameter after shrink approx. ϕ3.2mm |
| | | FPS-61-2.6 | 61mm, diameter after shrink approx. ϕ2.6mm |

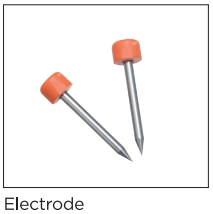
Carrying case with worktable
**CC-71+**

Handy cleaver
**FC-8R series**

Table-top cleaver
**FC-6 / FC-6R series**

Jacket remover
**JR-M03**

Available for
Lynx-Custom Fit™
**Splice-On Connector**


Electrode
**ER-10**

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■ Specifications are subject to change without prior notice.



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