



Automatic Adaptive Core fusion splicer

T-56+

Powered by



NanoTune™
Enhanced splice experience



Power through with ease



Proven field toughness



High environmental resistance



Smart and ease



Reduce work time
Splicing 6s
Heating 15s

Specifications

| Item | | T-56+ |
|----------------------------|--|--|
| 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) |
| | 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 : 0.02dB, MMF : 0.01dB, DSF : 0.04dB, NZDSF : 0.04dB, BIF : 0.02dB |
| | Return loss (typical) | 60dB or greater |
| | Splice time (typical) | 6sec(SM G652 Quick Mode), 8sec(Auto Mode) |
| | Heating time (typical) | 15sec (FPS-61-2.6 sleeve, S60mm 0.25) |
| | Splice & Heat cycles per battery full charge*2 | Approx. 310 (BU-16) |
| | Fibre view & magnification | 2 CMOS cameras observation, 350X (zoom : 700X) for X or Y single axis view. 270X for both X & Y dual axis view |
| | Proof test | 1.96 ~ 2.09N |
| Programs | Applicable protection sleeve | 60mm, 40mm & Sumitomo Nano sleeves |
| | Splice programs | Max. 300, 40 are pre-optimised, 260 editable by user |
| Functions | Heating programs | Max. 100, 23 are pre-optimised, 77 editable by user |
| | Splice image capture / Splice data storage | 200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 16GB SD card) |
| | Multi clamps | Applicable, 250µm, 900µm tight & loose buffer fibre, 2&3mm jacket cord and rectangular drop cable, 3.5mm round drop cable. |
| | Reversible coating clamp | 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 |
| Weight | | 1.7kg (without Battery) / 2.1kg (with Battery BU-16) |
| Monitor | | 5.0" touch screen color LCD display |
| Terminals | DC output | DC 12V (for JR-7) |
| | 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-16) |
| | DC input | DC 10 ~ 15V |
| | Battery pack | Li-ion 10.8V, 6,400mAh (BU-16) |
| Operating condition | Altitude : 0 ~ 6,000m, Temperature : -10 ~ +50°C, Humidity : 0 ~ 95% (non-condensing), 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, check our website. <https://global-sei.com/sumitomo-electric-splacers/emea/products/sumicloud/>

* 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), 4 edges and corners(bottom face only) |
| Impact resistance | Equivalent to IK07 on LCD monitor |
| Water resistance | Equivalent to IPx2 |
| Dust resistance | Equivalent to IP5x |

* Splicer operation after shock, impact, 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-16 | 1 pc |
| AC power cord | PC-AC<X>* | 1 pc |
| Cooling tray | — | 1 pc |
| Spare electrode | ER-10 | 1 pair |
| Quick reference guide | — | 1 pc |
| Carrying case with worktable | CC-72 | 1 pc |
| Hand strap | — | 1 pc |
| USB cable | — | 1 pc |

* X=2(USA), 3(EU), 5(UK/HK), 6(AUS), 7(SOUTH AFRICA), 10(BRAZIL)

Items listed in the table are typical contents 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 | Fibre holder | FHS-025 | For ϕ 0.25mm single fibre |
| | | FHS-09 | For ϕ 0.9mm single fibre |
| | | FHS-025/LB5 | For 0.9mm loose buffered single fibre |
| | | FHD-1 | For indoor / outdoor rectangular drop cable |
| | | 1SM-ST | For indoor rectangular drop cable |
| | | FHC-3 | For 3mm cable |
| | | Lynx2-UML-S | For ϕ 3mm cord and ϕ 0.9mm single fibre |
| | Battery pack | BU-16 | Li-ion 6,400mAh |
| | Battery charger | BC-16 | — |
| | Car battery cable | PCV-16 | Vehicle 12V outlet |
| Accessories | Electrode | ER-10 | — |
| | Handheld cleaver | FC-8R-FC | Automatic blade rotation cleaver with counter |
| | | FC-8R-F | Automatic blade rotation (no counter) |
| | Bench-top Cleaver | FC-6R+ | Auto blade rotation |
| | | FC-6S+ | Single fibre cleaver |
| | Jacket remover | JR-M03 | Jacket remover for single fibre |
| | Loose tube cutter | LTC-01 | — |
| | Alcohol dispenser | ASB-17 | — |
| | Fibre protection sleeve | FPS-1 | 60mm, diameter after shrink approx. ϕ 3.2mm |
| | | FPS-40 | 40mm, diameter after shrink approx. ϕ 3.2mm |
| FPS-61-2.6 | | 61mm, diameter after shrink approx. ϕ 2.6mm | |
| V-groove cleaning brush | VGB-004 | Brush for cleaning V-groove | |



Carrying case with worktable
CC-72



Handy cleaver
FC-8R series



Bench-top cleaver
FC-6+ series



Jacket remover
JR-M03



Splice-On Connector
Lynx-CustomFit™



Electrode
ER-10

 **Sumitomo Electric Industries, Ltd.**

• Specifications are subject to change without prior notice.

Designed in Japan
0T56+01-EMEA-EN002(2025.07.24)

↑ BOUTIQUE EN LIGNE
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