

# S218/S219

## OPTICAL FIBER THERMAL STRIPPER

*Your Solution for Ribbon, Single and High Strength Thermal Stripping*



S218



S219L



S219D

**FITEL**  
FURUKAWA ELECTRIC

# S218 HAND-HELD TYPE

## CORDLESS, LIGHT AND QUICK

When you need a cordless, lightweight and quick-strip solution, the S218 optical fiber stripper efficiently solves your problems. This thermal-stripping tool removes the coating of single fiber and ribbon fibers and runs on a slot-in battery, providing cordless access around your workplace.

### KEY FEATURES

- Applicable for single and up to 12-fiber ribbon
- Runs continuously on a slot-in battery for up to 8 hours per charge
- AC, DC (fusion splicer) or battery power selection
- 10 to 30 second quick heat-up
- Auto power save and power off
- Ergonomically designed and weighs less than half a pound (with DC adapter)



### SPECIFICATIONS

#### Applicable Optical Fibers

Silica glass-based optical fibers:

**Single fibers:** 250,400µm coating diameter, 125µm cladding diameter (Optional single fiber adapter S218X-03 is required.)

**Ribbon fibers:** 2-12 fiber ribbons, 0.30 to 0.40mm thickness (Optional fiber holder for ribbon fiber is required.)

#### Strip Length

Maximum 35mm(operator adjustable)

#### Heat-up time

10-30 seconds(at room temperature)

#### Heat Range

90-120°C

#### Power Source

- AC:100 to 240 VAC, 50/60Hz with AC adapter S952
- DC:12 VDC with DC adapter (power supplied from FITELE splicer and with S951 and S218X-02)
- Battery:7.6 VDC with the slot-in battery (S941)

#### Power Consumption

Maximum 10W

#### Dimension/Weight

Main body:48W x 125D x 39H[mm] / 150[gr]

#### Continuous operating time

8 hours(with the S941 Battery)

#### Charging time

2.5 hours(with the S953 Battery charger)

#### Operating Environment

Temperature:-10 to +50°C(14 to 122°F)

Humidity:90% at +38°C(100°F)

#### Storage Environment

-40 to +60°C(-40 to 140°F)

### MODEL

**S218A:** AC,DC and Battery powers available.

**S218B:** DC and Battery powers available.

**S218C:** AC and DC powers available.

### STANDARD PACKAGE

Description	Model/Part Number	S218A	S218B	S218C	Remark
Main body	S218A-01	1	1	1	
Battery	S941	1	1		
DC adapter	S951	1	1	1	
AC adapter	S952	1		1	
Battery charger	S953	1	1		
DC cord A	S218X-02	1	1	1	For connecting S199 splicer
Wrench	S218X-07	2	2	2	For replacing blade
Operation Manual	FTS-BXXX	1	1	1	

### OPTIONAL ACCESSORIES

Description	Model/Part Number	QTY	Remark
Single-fiber Adapter	S218X-03	1 pce.	For stripping 250/400 single fibers.
DC cord B	S218X-05	1 pce.	For connecting FITELE S147 and S148 fusion splicer
Blades	S218X-06	1 pair	Consumables

### TABLE FOR APPLICABLE FIBERS AND FIBER HOLDERS

Applicable Fibers	Model/Part Number	Remark
250/400 µm single fiber	S218X-03 single fiber adapter	It needs to be attached to the main body with screws
2-fiber ribbon / 0.30-0.40mm	S706A-002	It is also used for S199M splicer
4-fiber ribbon / 0.30-0.40mm	S706A-004	It is also used for S199M splicer
8-fiber ribbon / 0.30-0.40mm	S706A-008	It is also used for S199M splicer
12-fiber ribbon / 0.30-0.40mm	S706A-012	It is also used for S199M splicer

# S219 BENCH-TOP & ALL-ONE-STRIPPER

The S219 Bench-Top Thermal Stripper is the latest innovation from FITEL for factory-based regular and high-strength fiber stripping. Intended for use with the S182, S176 and S199M fusion splicers.

## KEY FEATURES

- Available in two different body types: Dual-sided and Single-sided
- The Dual-sided stripper allows the user to insert fibers from both the left and right. (Important for optical components with short fiber lengths.)
- Optional circle-notch blades allow for high strength splices by minimizing fiber vibration during the stripping process.
- Bench top design ensures more consistent and smoother operation.
- Temperature setting is adjustable.
- Applicable for ribbon and single fiber stripping.



## SPECIFICATIONS

### Applicable Optical Fibers

Silica glass-based optical fibers

**Single fibers:** 250, 400 and 900µm coating diameter, 125µm cladding diameter

**Ribbon fibers:** 2-12 fiber ribbons, 0.25 to 0.40mm thickness (includes the ribbon formed fibers)

### Strip Length

Maximum 35mm (operator adjustable)

### Heat-up time

5-15 seconds (at room temperature)

### Heat Range

90-150°C (Adjustable in 5 increments of 15°C each)

### Power Source

- 100 to 240 VAC, 50/60Hz with AC adapter S952

### Power Consumption

Maximum 18W, Typical 5W

### Dimension/Weight

Single-Sided Type: 129W x 71D x 50H [mm] / 0.6 [kg]

Dual-Sided Type: 211W x 71D x 50H [mm] / 0.9 [kg]

### Operating Environment

Temperature: -10 to +50°C (14 to 122°F)

Humidity: 90% at +38°C (100°F)

### Storage Environment

-40 to +60°C (-40 to 140°F)

## MODEL

**S219L:** Single Blade-pair Model

**S219D:** Dual Blade-pair Model

## STANDARD PACKAGE

Description	Model Number	QTY	Remark
Main Body	S219L-01 or S219D-01	1	Standard blades (S219X-06) are pre-installed for 250-400µm fibers and ribbons. (not high-strength)
AC Adapter	S952	1	100 to 240 VAC, 50/60Hz
Holder Adapter 250-400	S219X-01	1 or 2	1 pce. for S219L-01 2 pcs. for S219D-01 Necessary for 250/400µm fibers for High Strength.
Blade Replacement Tool	S219X-02	1	
Temperature Adjustment Tool	S219X-03	1	
Cleaning Brush	S219X-04	1	Tool to remove coating scraps
Operation Manual	FTS-B171	1	English

## OPTIONAL ACCESSORIES

Description	Model/Part Number	QTY	Remark
Single-fiber Adapter	S219X-05	1 pce.	For stripping 250/400/900µm fibers without using fiber holders.
Standard Blades	S219X-06	1 pair	Intended for stripping 250/400µm fibers & 2-12 fiber ribbons with Normal Stripping.
250-400 Blades	S219X-07	1 pair	For High Strength Splicing of 250/400µm fibers. Circle-Notch Blades.
250 Guides	S219X-08	1 set	Used with the S219X-07 Blades when stripping 250µm fiber
400 Guides	S219X-09	1 set	Used with the S219X-07 Blades when stripping 400µm fiber
900 Blades	S219X-10	1 set	For stripping 900µm fibers. Circle-Notch Blades.
900 Guides	S219X-11	1 set	Used with the S219X-10 Blades when stripping 900µm fiber
Holder Adapter 900	S219X-12	1 pce.	For height adjustment of 900µm fiber
S182 A/K Kit L	S219X-13	1 set	S219L's adapter for the S182A/K fiber holders
S182 A/K Kit D	S219X-14	1 set	S219D's adapter for the S182A/K fiber holders

## Table for S219 accessory's selection

### With S707 Fiber Holder for S176 core alignment fusion splicer

Part Name	Part Number	Remark
<b>Standard Blades</b>	<b>S219X-06</b>	• Applicable fiber: 250, 400 and 900 coating diameter
<b>Holder Adapter 250-400</b>	<b>S219X-01</b>	• Coating length after stripping: 3mm or 8mm
<i>900 Blades</i>	<i>S219X-10</i>	• Bare-fiber length after cleaving: 10mm or 5mm
<i>900 Guides</i>	<i>S219X-11</i>	• The splice of 900 micron coating fiber with 5mm of cleave length is not available at S176.
<i>Holder Adapter 900</i>	<i>S219X-12</i>	• Holder Adapter 250-400 requires to be positioned by screw with 3mm / 8mm coating length

### With S705S Fiber Holder for S182A/K factory fusion splicer (High Strength)

Part Name	Part Number	250	400	Remark
<b>Holder Adapter 250-400</b>	<b>S219X-01</b>	○	○	• Applicable fiber: 250, 400 micron coating diameter • Coating length after stripping: 45mm • Bare-fiber length after cleaving: 5mm
<i>250-400 Blades</i>	<i>S219X-07</i>	○	○	
<i>250 Guide</i>	<i>S219X-08</i>	○	-	
<i>400 Guide</i>	<i>S219X-09</i>	-	○	
<i>S182A/K kit</i>	<i>S219X-13 /-14</i>	○	○	

### Without S705S Fiber Holder for S182A/K factory fusion splicer (Normal Strength)

Part Name	Part Number	250	400	900	Remark
<b>Standard Blades</b>	<b>S219X-06</b>	○	○	-	• Applicable fiber: 250, 400 and 900 micron coating diameter • Bare-fiber length after cleaving: 16mm
<b>Holder Adapter 250-400</b>	<b>S219X-01</b>	○	○	-	
<i>Single-fiber Adapter</i>	<i>S219X-05</i>	○	○	○	
<i>900 Blades</i>	<i>S219X-10</i>	-	-	○	
<i>900 Guides</i>	<i>S219X-11</i>	-	-	○	
<i>Holder Adapter 900</i>	<i>S219X-12</i>	-	-	○	

### With S708S Fiber Holder for S182PM-H PM fiber fusion splicer (High Strength)

Part Name	Part Number	250	400	Remark
<b>Holder Adapter 250-400</b>	<b>S219X-01</b>	○	○	• Applicable fiber: 250, 400 micron coating diameter • Coating length after stripping: 14mm • Bare-fiber length after cleaving: 4mm
<i>250-400 Blades</i>	<i>S219X-07</i>	○	○	
<i>250 Guide</i>	<i>S219X-08</i>	○	-	
<i>400 Guide</i>	<i>S219X-09</i>	-	○	

### With S708S Fiber Holder for S182PM-H PM fiber fusion splicer (Normal Strength)

Part Name	Part Number	250	400	900	Remark
<b>Standard Blades</b>	<b>S219X-06</b>	○	○	-	• Applicable fiber: 250, 400 and 900 micron coating diameter • Coating length after stripping: 2mm • Bare-fiber length after cleaving: 16mm
<b>Holder Adapter 250-400</b>	<b>S219X-01</b>	○	○	-	
<i>900 Blades</i>	<i>S219X-10</i>	-	-	○	
<i>900 Guides</i>	<i>S219X-11</i>	-	-	○	
<i>Holder Adapter 900</i>	<i>S219X-12</i>	-	-	○	

### With S706 Fiber Holder for S199M mass fiber fusion splicer

Part Name	Part Number	Remark
<b>Standard Blades</b>	<b>S219X-06</b>	• Applicable fiber: 2-12 fiber ribbons
<b>Holder Adapter 250-400</b>	<b>S219X-01</b>	• Coating length after stripping: 3mm • Bare-fiber length after cleaving: 10mm

### Without using fiber holders

Part Name	Part Number	250	400	900
<b>Standard Blades</b>	<b>S219X-06</b>	○	○	-
<b>Holder Adapter 250-400</b>	<b>S219X-01</b>	○	○	-
<i>Single-fiber Adapter</i>	<i>S219X-05</i>	○	○	○
<i>900 Blades</i>	<i>S219X-10</i>	-	-	○
<i>900 Guides</i>	<i>S219X-11</i>	-	-	○
<i>Holder Adapter 900</i>	<i>S219X-12</i>	-	-	○

Name in **Bold** type: Standard Components. / Name in *Italic* Type: Optional Accessories.

Caution: The strength becomes normal when spliced by S199M, S176, S182A/K without S705S fiber holder and S182PM-H with clad clamp.

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