

Fitel Fusion Splicer

accessories and consumables

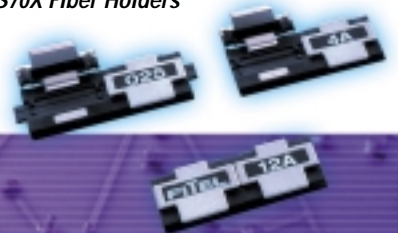
S310 -S315 Single Fiber Field Cleaver



S400 Tool Kit



S70X Fiber Holders



S210 Single Fiber Stripper



S532A Protection Sleeve Heater



S945A Automatic Battery Discharger and Recharger



S900 Series Protection Sleeves



FITEL
FURUKAWA ELECTRIC

FUSION SPLICING ACCESSORIES AND CONSUMABLES

S310 AND S315 SINGLE FIBER CLEAVERS

Description

The Fitel S310 and S315 Single Fiber Field Cleavers are designed for cleaving fiber in the field quickly and easily. The S310 and S315 Field Cleavers can accommodate 0.25mm and 0.9mm coating diameters and their small lightweight size makes them the perfect addition to any field splicing system. The S310 and S315 field cleavers require some skill to achieve the desired cleave angle and may not be appropriate for some splicing applications. The S310 is specifically designed to cleave fiber in the field accurately to a 16mm length. The S315 has a graduated scale, which allows for cleave lengths of 5 to 20mm.



Dimensions

125mm(L) x 20mm(W) x 42mm(H)

Weight

65 grams

Applicable optical fiber

Silica glass-based optical fibers, single fiber, 0.25mm and 0.9mm coating diameter, 0.125 clad diameter

Models

S310: For cleaving to 16mm length

S315: For cleaving 5 to 20mm length adjusting with scale

FIBER HOLDERS

Description

The Fiber S70X Series Fiber Holders are designed for fast, high precision loading of single and ribbon fiber for stripping, cleaving, and splicing. These easy-to-use holders are sold in pairs and are designed for use with all of FITELE's high precision fusion splicers. The S70X Series Fiber Holders will accommodate a wide range of fiber types from single fiber and ribbon fiber of varying diameters and counts.



Applicable fusion splicer

All of the FITELE ribbon fiber fusion splicers

Weight

20 grams

Dimensions

17mm(W) x 50(56 for S706S)mm(L) x 8mm(H)

S210 SINGLE FIBER STRIPPER

Description

The FITELE S210 Single Fiber Stripper is designed to strip 0.25mm as well as 0.9mm diameter fiber. This easy to use stripper has a 20mm wide base with the blade located in the center to ensure safe longitudinal stripping.



Applicable optical fiber

Silica glass-based optical fibers, single fiber, 0.25mm and 0.9mm coating diameter, 0.125 clad diameter

Dimensions

80mm(L) x 20mm(W) x 26mm(H)

Weight

70 grams

Model and applicable fibers

Model	Applicable fibers (Number of fibers/diameter or ribbon thickness)
S706S-025	Single/0.25mm
S706S-040	Single/0.40mm
S706S-090	Single/0.90mm
S706A-002	2-fiber ribbon/0.3-0.4mm
S706A-004	4-fiber ribbon/0.3-0.4mm
S706A-008	8-fiber ribbon/0.3-0.4mm
S706A-012	12-fiber ribbon/0.3-0.4mm
S702B-02	2-fiber ribbon/0.25mm (ribbon formed fibers)
S702B-04	4-fiber ribbon/0.25mm (ribbon formed fibers)
S704B-006	6-fiber ribbon/0.25mm (ribbon formed fibers)
S704B-008	8-fiber ribbon/0.25mm (ribbon formed fibers)
S704B-010	10-fiber ribbon/0.25mm (ribbon formed fibers)
S704B-012	12-fiber ribbon/0.25mm (ribbon formed fibers)

S612 RIBBON FORMING FIXTURE

Description

Designed to form a ribbon-like fiber with 2 to 12 single fibers. S612 offers a high efficient simultaneous fiber splice with FITELE ribbon fusion splicers.

- Easy to operate.
- Smallest fixture in the industry.
- Consumables are adhesive only.



Applicable optical fiber

2 to 12 fiber ribbons

Dimensions

120W x 60D x 58H[mm]

Weight

400 grams

Standard Components

Description	Model No.	Quantity
Ribbon forming fixture	S612	1
Adhesive	S611-04	50ml x 2 bottles
User's Manual	FTS-B010	1

S954A AUTOMATIC BATTERY DISCHARGER AND RECHARGER

Description

The S954A Automatic Battery Discharger and Recharger is used for recharging the S940 battery pack for the S199 series fusion splicers. In order to prevent the battery memory effect problem, the S940 battery must be completely discharged before beginning recharging. The S954A completely discharges the battery and then recharges the battery automatically, simply by using the "Refresh Recharging" function.



Applicable battery

S940 battery pack (for S199S and S199M series fusion splicer)

Power

AC100-120V/200-240V

Typical operating time

Refresh recharging (with fully charged battery):
350 minutes

Recharging only (with fully discharged battery):
180 minutes

Environment

Operating temperature:
10 to 40°C

Storage temperature:
-20 to 60°C

Dimensions

176mm(D) x 150mm(W) x
75mm(H)

Weight

1.2 kg

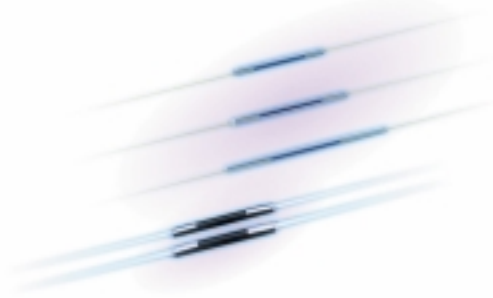
Standard Package

Description	Model No.	Quantity
Main body	S954A-01	1
AC power cord	S954X-02	1
Recharge cord	S954X-03	1

PROTECTION SLEEVES

Description

Fitel offers a wide variety of protection sleeves to accommodate single and ribbon fiber. FITEL's protection sleeves come in ribbon, standard, slim, mini, and macro sizes. They are composed of an outer an inner sleeve reinforced by an internal member made of stainless steel or ceramics.



Model, specification and applicable fiber

Model	Applicable fiber	Length	Typical diameter after heating	Material of strength member	Pieces /pack
Normal size					
S921	Single fiber, 0.25-0.9mm coating diameter	60mm	2.8mm (0.25 Fiber)	Stainless steel	25
S922	Single fiber, 0.25-0.9mm coating diameter	40mm	2.8mm (0.25 Fiber)	Stainless steel	25
S927A	Single fiber and up to 8-fiber ribbon	40mm	3.9mm	Ceramic	100
S927B	Single fiber and up to 12-fiber ribbon	40mm	4.8mm	Ceramic	100
Mini Sleeve (For short cleave length and compact sleeve size)					
S928A20	Single fiber,	20mm	1.6mm	Stainless steel	100
S928A25	0.25-0.9mm	25mm	1.6mm	Stainless steel	100
S928A35	coating diameter	35mm	1.6mm	Stainless steel	100

S220A OPTICAL RIBBON FIBER SEPARATOR

Description

Designed to initiate separating 2 to 12-fiber ribbons into single fibers.

After shaving with S220A, the ribbon fiber can be easily separated by fingers into single fibers. Compact carrying case included as standard.



Applicable optical fiber

2 to 12 fiber ribbons with the thickness of 0.30 - 0.40mm

Dimensions

55W x 30D x 22H [mm]

Weight

100 grams

Caution

The part of the fibers where the blade of S220A is applied must be cut off, before the fibers are spliced or connected.

Standard Components

Description	Model No.	Quantity
Fiber Separator	S220A	1
User's Manual	FTS-B013	1

FUSION SPLICER TOOL KITS

Description

The S400 Series Fusion Splicer Tool Kit contains all of the necessary tools required for optical fusion splicing in a rugged carrying case. The durable carrying case features separate compartments for organizing tools and consumables. Available models include the economical S422 Tool Kit with basic tools and consumables, the S423 which includes an S323 High Precision Cleaver, and the S424 Tool Kit, Which comes with a 323 Cleaver and a S218 Thermal Stripper.



Model and Contents

Contents	Qty	Model Number (Included with)												
		S422	S423-A	S423-B	S423-C	S424-A-A	S424-A-B	S424-A-C	S424-B-A	S424-B-B	S424-B-C	S424-C-A	S424-C-B	S424-C-C
S210 Single fiber stripper	1	•	•	•	•	•	•	•	•	•	•	•	•	•
S310 Single fiber cleaver	1	•												
Carrying case	1	•	•	•	•	•	•	•	•	•	•	•	•	•
250cc polyethylene bottle with siphon	1	•	•	•	•	•	•	•	•	•	•	•	•	•
BEMCOT (cleaning cotton for optical fiber)	1	•	•	•	•	•	•	•	•	•	•	•	•	•
Cotton stick (cleaning tool for V groove, lens, mirror)	1	•	•	•	•	•	•	•	•	•	•	•	•	•
Bower brush (cleaning tool for V groove, lens, mirror)	1	•	•	•	•	•	•	•	•	•	•	•	•	•
Precision screw driver set and hexagonal wrench set	1	•	•	•	•	•	•	•	•	•	•	•	•	•
Electrode sharpener (two pieces of whetting-rubber different particle size)	2	•	•	•	•	•	•	•	•	•	•	•	•	•
S323A High precision cleaver	1		•			•	•	•						
S323B High precision cleaver	1			•					•	•	•			
S321 High precision cleaver	1				•						•	•	•	
S218A Thermal stripper	1					•			•		•			
S218B Thermal stripper	1						•			•		•		
S218C Thermal stripper	1							•					•	



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