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OPTICAL FIBER SOLUTIONS FOR FUSION SPLICING

Optical fiber plays a critical role in today's communication networks - from Telecommunications to CATV to Data. OFS is a major provider of high quality optical fiber and fiber optic products. This includes the complete line of Furukawa Electric's FITEL fusion splicing machines that produce highly accurate, reliable splices with minimal loss. FITEL fusion splicing machines are designed using state-of-the-art technology, decades of manufacturing experience and feedback from countless customer installations. You will find that FITEL splicers are simple to use yet precise and reliable tools that can support your full range of splicing needs.



A Furukawa Company

Authorized Distributor of FITEL Products in the Americas

FITEL® Featured Products

Fusion Splicers



NINJA Handheld Fusion Splicer Value Kit

P/N: NJ001-3-VK-250-V1

VALUE KIT CONTAINS:

- NJ001-3 Splicer main body
- HCC-09 Hard carrying case
- S712 S-250 250µm Fiber holders
- S946 Battery (installed)
- S978A AC Adapter for fusion splicer
- ELR-01 Electrodes
- D5111 Electrode cleaning disk
- VGC-01 V-Groove cleaning brush
- S211B Fiber optic stripper
- S326A Precision cleaver
- FPF-01 Fiber prep fluid
- FW-01 Fiber wipes



S153 Active Clad Align Fusion Splicer Kit

P/N: S153A-VK-250-V2

VALUE KIT CONTAINS:

- S153A-3-1 Splicer main body
- HCC-01 Hard carrying case
- S712S-250 250µm Fiber holders
- S943B Battery (Qty 1)
- S976A AC Adaptor for fusion splicer
- S969 Spare electrodes
- D5111 Electrode cleaning disk
- VGC-01 V-groove cleaning brush
- S211B Fiber stripper
- S326A One-step high precision cleaver
- FPF-01 Fiber prep fluid
- FW-01 Fiber wipes



S179A Core Align Fusion Splicer Kit

P/N: S179A-EX-900-V2

EXTENDED KIT CONTAINS:

- S179A-3-1 Splicer main body
- HCC-05 Hard carrying case
- S712S-250 250µm Fiber holders
- S712S-900 900µm Fiber holders
- S947A Battery (Installed)
- S979A AC Adapter for fusion splicer
- ELR-01 Spare electrodes
- D5111 Electrode cleaning disk
- VGC-01 V-groove cleaning brush
- S211B Fiber stripper
- S326A One-Step high precision cleaver
- FPF-01 Fiber prep fluid
- FW-01 Fiber wipes

FITEL® Featured Products

Cleaving and Stripping



S123M12 Mass Fusion Splicer Kit

P/N: S123M12-KIT-V2

KIT CONTAINS:

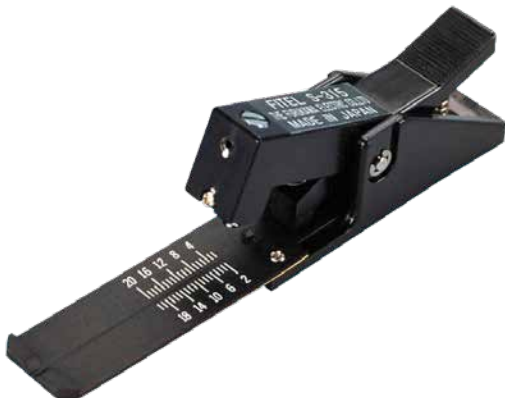
- S123M12 Splicer Main Body
- HCC Hard Carrying Case
- S712A-012 12-Fiber ribbon fiber holders (pair)
- S943B Battery (Qty 2)
- S976A AC Adapter for fusion splicer
- S122-X-A-0008 Fiber Reformer (pair)
- S969 Electrodes
- D5111 Electrode cleaning disk
- VGC-01 V-Groove cleaning brush
- S218R Thermal Stripper
- S326A Precision Cleaver
- FPF-01 Fiber Prep Fluid
- FW-01 Fiber Wipes



S326A Hand-Held High Precision Cleaver

P/N: S326A

- One-Step action
- Cleave virtually anywhere! In your palm or on your desktop
- Easy fiber loading
- All fiber types, single to 12-fiber ribbons
- Clad Diameter: 0.125 mm
- Coating Diameter: 0.25 mm and 0.9 mm for single fiber; 0.3 mm to 0.4 mm thickness for ribbons
- Cleave Length:
Single Fiber: Fixed Length - 10 & 16 mm,
Variable length - 3 to 20 mm
Ribbon Fiber: 10 mm Fixed Length
- Dimensions/Weight: 96 W X 79 D X 56 H mm, /250g
- Simple operation
- High capacity fiber waste collection bin
- Durable design
- Easy maintenance on-site
- Up to 48,000 cleaves per blade



S315 Single Fiber Cleaver

P/N: S315

The FITEL S315 Single Fiber Field Cleaver is designed for cleaving fiber in the field quickly and easily. The S315 Field Cleaver can accommodate 0.25 mm and 0.9 mm coating diameters and its small lightweight size makes it the perfect addition to any field splicing system. The S315 Field Cleaver requires some skill to achieve the desired cleave angle and may not be appropriate for some splicing applications. The S315 Cleaver has a graduated scale, which allows for cleave lengths of 5 to 20 mm.

- Dimensions: 20 W X 125 D X 42 H mm
- Weight: 65 g

FITEL® Featured Products

Cleaving and Stripping



S218R Thermal Stripper

P/N: S218R

- All fiber types, single to 12-fiber ribbons
- Clad Diameter: 0.125 mm
- Coating Diameter: 0.25 mm to 0.4 mm for single fiber; 0.3 mm to 0.4 mm thickness for ribbons
- Exceptional stripping for single and ribbon fiber
- Simple operation via built-in battery or AC power
- Built-in battery recharger-battery always charging when AC power is connected
- Battery Running Time: Approximately 10 hours
- Durable Design
- Easy Maintenance on-Site
- RoHS Compliant



S220A Optical Ribbon Fiber Separator

P/N: S220A

Designed to initiate separating 2 to 12-fiber ribbons into single fibers. After shaving with S220A Separator, the ribbon fiber can be easily separated by fingers into single fibers.

- Applicable Optical Fiber:
2 to 12 fiber ribbons with the thickness of 0.30 ~ 0.40 mm
- Dimensions: 55 W X 30 D X 42 H mm
- Weight: 100 g

CAUTION: Do not use the S220 Separator on live fiber or for a mid-span strip. Discard the section of the fibers to which the S220A Separator was applied before splicing or reconnecting the exposed fibers.



S233 Optical Ribbon Fiber Splitter

P/N: S233A (Fiber Guide A, 4 → ½, 4 → ⅓, is included as standard)

P/N: S233B (Fiber Guide B, 4 → ½, 8 → ¼, is included as standard)

P/N: S233C (Fiber Guide C, 24 → 1½, 12 → ⅙, is included as standard)

P/N: S233D (Fiber Guide D, 12 → ⅙, 12 → ¼, is included as standard)

FITEL S233 Ribbon Splitter splits 4, 8, 12, and 24-fiber ribbons more easily, quickly, and accurately than ever before! Another great FITEL fusion splicing accessory from OFS!

- Applicable Optical Fiber: 125 μm cladding diameter; 4/8/12/24-fiber ribbons; 0.25 mm pitch; 0.30 to 0.40 mm thickness; UV-cured acrylic resin coating*
- Dimensions: 115 W X 20 D X 20 H mm
- Weight: 95 g
- Small, simple, and compact design for field use
- All-metal body for maximum durability
- Interchangeable fiber guides for different ribbon sizes
- No tools required to change fiber guides

CAUTION: Do not use the S233 on live fiber or for a mid-span strip. Discard the section of the fibers to which the S233 was applied before splicing or reconnecting the exposed fibers.

* S233 may not work satisfactorily with some ribbon fiber coating materials.

FITEL® Featured Products

Cleaning and Protecting



Prep Fluid and Fiber Wipes

P/N: FPF-01 (prep fluid)

P/N FW-01 (fiber wipes)



FITELCLEAN, Optical Connector Cleaner

P/N: FTCN-E1 (for MU/LC connector)

P/N: FTCN-E3 (for SC/FC/ST/E2000 connector)

P/N: FTCN-M1 (for MPO/MTP connector)

P/N: FTCN-ES1 (the replacement cartridge for FTCN-E1)

P/N: FTCN-ES3 (the replacement cartridge for FTCN-E3)



Protection Sleeves

P/N: See table below for ordering information.

OFS 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 and inner sleeve reinforced by an internal member made of stainless steel or ceramics.

Model	Applicable Fiber	Length	Strength Member Material	Pieces/ pack
S921	Single fiber, 0.25-0.9 mm coating diameter	60 mm	Stainless steel	50
S922	Single fiber, 0.25-0.9 mm coating diameter	40 mm	Stainless steel	50
S924	Single fiber and up to 8-fiber ribbon	40 mm	Quartz	25
S927A	Single fiber and up to 8-fiber ribbon	40 mm	Ceramic	100
S927B	Single fiber and up to 12-fiber ribbon	40 mm	Ceramic	100
S928A20		20 mm	Stainless steel	100
S928A25	Single fiber, 0.25 - 0.4 mm coating diameter	25 mm	Stainless steel	100
S928A35		35 mm	Stainless steel	100

FITEL® Featured Products

Measuring and Testing



LBT-101 Short Range FTTX Optical Tester (OTDR)

P/N: LBT-101

- **Ultra Compact and Portable**
7.5" x 3.75" x 1.75"
- **Live Fiber Testing Capability**
Uses 1610 nm wavelength; filters other wavelengths
- **Built-In Fiber Spool**
Measure from the first connector;
No launch cables to purchase
- **Engineered for the "Last Mile"**
Extremely simple operation; High resolution for close events



ID-H Optical Fiber Identifier

P/N: ID-H/R v3

The ID-H/R Fiber Identifier is a lightweight, handheld, easy to use tool to safely and effectively identify the transmission direction and relative core power on live optical fibers.

- No need to change heads
- 250 μm fiber, 900 μm fiber, 12-fiber ribbon,
- 1.6 mm to 3 mm cordage
- LCD Screen
- Detection Light Level, Modulation Frequency
- Detect the tone signal and traffic signal
- Detects the signal without disrupting traffic
- Light weight design for easy handling
- Weight: 170g
- Super low insertion loss



EZ!Fuse™ Splice On Connector

The Splice-on-Connector is a field-installable connector that:

IS FAST

- Allows for easy field installation of EZ-Bend® Fiber Optic Cables, pre-terminated splitters, fan outs, and drop terminals

IS EASY

- No polishing or epoxy required
- Simple process helps to eliminate learning curve

FIBER MANAGEMENT

- Eliminates the need for splice trays resulting in easier fiber management, reduced storage requirements, and faster installation times

HAS EXCELLENT QUALITY

- We use factory quality standard connector parts and strain relief processes
- No index matching gel!

Product code	Description	MOQ
FSOC-SC09-SM-U	SC connector, SM UPC polishing for 250/900um fiber	10 connectors. One S712C-SGS9C-R-P is supplied with each MOQ of 10 connectors.
FSOC-SC23-SM-U	SC connector, SM UPC polishing for 2/3mm cordage	
FSOC-SC09-SM-A	SC connector, SM APC polishing for 250/900um fiber	
FSOC-SC23-SM-A	SC connector, SM APC polishing for 2/3mm cordage	
FSOC-SC09-M3-P	SC connector, OM3 PC polishing for 250/900um fiber	
FSOC-SC23-M3-P	SC connector, OM3 PC polishing for 2/3mm cordage	
FSOC-SC09-M1-P	SC connector, OM1 PC polishing for 250/900um fiber	
FSOC-SC23-M1-P	SC connector, OM1 PC polishing for 2/3mm cordage	



For additional information please contact your sales representative.

You can also visit our website at www.ofsoptics.com
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