FITEL® FEATURED PRODUCTS
OPTICAL FIBER SOLUTIONS FOR FUSION SPLICING

Optical fiber plays a critical role in today's communication networks - from Telecommunications to CATV to Data Centers. 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 splicers are designed using state-of-the-art technology, decades of manufacturing experience and countless customer installations. You will find that FITEL splicers are simple to use yet provide precise and reliable splices that support a full range of applications.

ofs
A Furukawa Company

FITEL®
FUSION SPLICERS

S124M12 Mass Fusion Splicer Kit
P/N: S124M12-200/250-kit

KIT CONTAINS:
- S124M12 Splicer main body
- FGV-P250/P200 250 μm and 200 μm exchangeable V-grooves
- HCC-05 Hard carrying case
- S712-12 250 μm 12-fiber flat ribbon fiber holders (pair)
- S712-12e 250 μm 12-fiber rollable ribbon fiber holders (pair)
- S712-12e-P200 200 μm 12-fiber rollable ribbon fiber holders (pair)
- S947 Battery (installed)
- S979 AC adapter for fusion splicer
- ELR-01 Spare electrodes
- D5111 Electrode cleaning disk
- VGC-01 V-groove cleaning brush
- ARS-01 Anti-reflective sheet
- CTX-03 Cooling tray
- WFD-01 Wi-Fi dongle
- S218R-200 Thermal stripper
- S326R Precision ribbon 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
FUSION SPLICERS

NINJA Handheld Fusion Kit
P/N: NJ001-3-EX-900-V1

VALUE KIT CONTAINS:

- NJ001-3 Splicer main body
- HCC-09 Hard carrying case
- S712S-250 250 µm Fiber holders
- S712S-900 900 µm 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

2016 LIGHTWAVE 4.0 INNOVATION REVIEWS

EZ-Terminator® Kit-B
P/N: NJ001-3-VK-250-V1

VALUE KIT CONTAINS:

- ET-001 Termination tool main body
- SCC-01 Soft carrying case
- S712S-900-L 900 µm left fiber holder
- S712C-FSOC-1-L Left cordage holder
- 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

FITEL® FEATURED PRODUCTS
FACTORY/ HIGH END SPLICING MACHINES

FITEL S185HS/ S185PM

FEATURES AND BENEFITS:
- Fusion Splicer for PM fiber splicing and high strength splicing
- Low splice loss
- Compact size
- Portability by built-in battery (optional)
- Easy operation by LCD screen with touch panel
- Fiber clamp can be detached from canopy
- Remote control by Wi-Fi communication

PRODUCT DESCRIPTION:
The FITEL S185HS/ S185PM High-end Fusion Splicers are designed for splicing specialty fibers that are required for factory, manufacturing, and R&D applications. The compact but powerful design has been optimized for use in the optical component and optical sensor fields. By targeting specific functions required in these applications, exceptional performance is achieved at a reduced cost.

FITEL S185LDF/ S185PMLDF

FEATURES AND BENEFITS:
- Large diameter fiber splicing up to 500 μm
- Low splice loss
- Compact size
- Portability by built-in battery (optional)
- Easy operation by LCD screen with touch panel
- Fiber clamp can be detached from canopy
- Remote control by Wi-Fi communication

PRODUCT DESCRIPTION:
The FITEL S185LDF / S185PMLDF High-end Fusion Splicers are designed for splicing up to 500 μm cladding fiber or 500 μm PM fiber with low splice loss. The powerful and compact design has been optimized for the Fiber laser industry. The new fiber alignment mechanism delivers low splice loss. The new design also allows the fiber clamps to close gently to reduce the possibility of damage to the fiber. Battery operation and a compact design make it easy to transport the LDF fusion splicer.

FUSION SPLICERS

S326A Hand-Held High Precision Cleaver
P/N: S326A

- One-step action
- 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 colletion bin
- Durable design
- Easy maintenance on-site
- Up to 48,000 cleaves per blade

S326R Single Fiber Cleaver
P/N: S326R

- New fiber alignment mechanism to ensure quality cleaving
- One-Step action
- Easy fiber loading
- All fiber types, single to 12-fiber flat and rollable ribbons
- Clad Diameter: 0.125mm
- Coating Diameter: 0.20 mm and 0.9 mm for single fiber; 0.2 mm to 0.4 mm thickness for ribbons
- Cleave Length:
  Single Fiber: 10 mm Fixed Length
  Ribbon Fiber: 10 mm Fixed Length
- Dimensions/Weight: 96 W x 79 D x 56 H mm/260 g
- Simple operation
- High capacity anti-static waste bin
- Durable design
- Easy maintenance
- Up to 48,000 cleaves per blade

S218R-Plus Thermal Stripper
P/N: S218R-Plus

- All fiber types, single to 12-fiber flat and rollable ribbons
- Clad Diameter: 125 μm
- Coating Diameter: 250 μm to 400 μm for single fiber; 300 μm to 400 μm thickness for ribbons
- Exceptional stripping for single and ribbon fiber
- Simple operation via built-in battery or AC power
- Built-in battery charger
- Battery run time: Approximately 10 hours
- Durable design
- Easy maintenance on-Site
- RoHS compliant

S218R-200 Thermal Stripper
P/N: S218R-200

- All fiber types, single to 12-fiber flat and rollable ribbons
- Clad Diameter: 125 μm
- Coating Diameter: 200 μm to 400 μm for single fiber; 200 μm to 400 μm thickness for ribbons
- Exceptional stripping for single and ribbon fiber
- Simple operation via built-in battery or AC power
- Built-in battery charger
- Battery run time: Approximately 10 hours
- Durable design
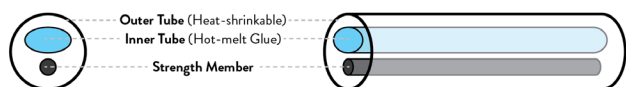- Easy maintenance
- RoHS compliant

Prep Fluid and Fiber Wipes
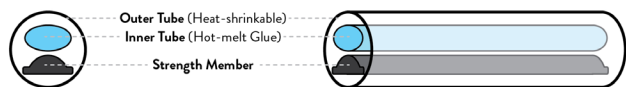
P/N: FPF-01 (3 oz. prep fluid)
P/N: FPF-02 (10 oz. prep fluid)
P/N: FW-01 (fiber wipes)

S921 PROTECTION SLEEVE

Outer Tube (Heat-shrinkable)
Inner Tube (Hot-melt Glue)
Strength Member

S927R PROTECTION SLEEVE

Outer Tube (Heat-shrinkable)
Inner Tube (Hot-melt Glue)
Strength Member

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 micro 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
S927R	Single fiber and up to 12-fiber rollable ribbon	40 mm	Ceramic	25
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®
FUSION SPLICERS

EZ-Tool for EZ!Fuse® SOC's
P/N: EZT-01

Ring and slit tool for EZ!Fuse SOC 2/3 mm SC/LC assemblies.

Rollable Ribbon Separation Tool
P/N: RST-01

Separates 12F Rollable Ribbon into single fibers.
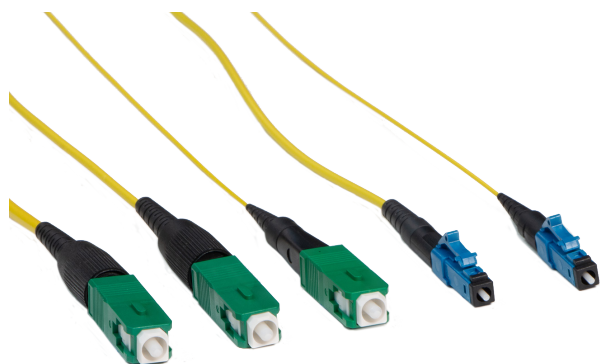
FIBER IDENTIFIER

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.

- Universal head design
- 250 µm fiber, 900 µm fiber
- 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

- **Simple, Fast & Consistent Field Terminations**
- **No Polishing or Epoxy**
- **Simplifies Fiber Management**

OFS's new Splice On Connector termination system allows for easy termination and flexibility in the field. The "splice-on" connector (SOC) eliminates the need for field polishing and significantly improves the quality of the termination and installation time required. The connector is easily assembled by using a process that requires minimal skill or training. These connectors are optimal for use in FTTx application. Both UPC and APC polishing are available for single-mode fiber.

EZ!Fuse Splice On Connectors are compatible with the FITEL Fusion Splicers models for listing S179, S178, Ninja, and the EZ-Terminator®.

Product Code	Description	MOQ
FSOC-SC09-SM-U	SC connector, SM UPC polishing for 250/900 µm fiber	
FSOC-SC23-SM-U	SC connector, SM UPC polishing for 2/3 mm cordage	
FSOC-SC09-SM-A	SC connector, SM APC polishing for 250/900 µm fiber	
FSOC-SC23-SM-A	SC connector, SM APC polishing for 2/3 mm cordage	**10 connectors**
FSOC-SC09-M3-P	SC connector, OM3 PC polishing for 250/900 µm fiber	One S712C-SGS9C-R-P is supplied with each MOQ of 10 connectors.
FSOC-SC23-M3-P	SC connector, OM3 PC polishing for 2/3 mm cordage	
FSOC-SC09-M1-P	SC connector, OM1 PC polishing for 250/900 µm fiber	
FSOC-SC23-M1-P	SC connector, OM1 PC polishing for 2/3 mm cordage	
FSOC-LC09-SM-U	LC connector, SM UPC polishing for 250/900 µm fiber	
FSOC-LC20-SMS-U	LC connector, SM UPC polishing for 2 mm cordage	
FSOC-LC09-SM-A	LC connector, SM APC polishing for 250/900 µm fiber	
FSOC-LC20-SM-A	LC connector, SM APC polishing for 2 mm cordage	**10 connectors**
FSOC-LC09-M3-P	LC connector, OM3 PC polishing for 250/900 µm fiber	One S712C-SGL9C-R-P is supplied with each MOQ of 10 connectors.
FSOC-LC20-M3-P	LC connector, OM3 PC polishing for 2 mm cordage	
FSOC-LC09-M1-P	LC connector, OM1 PC polishing for 250/900 µm fiber	
FSOC-LC20-M1-P	LC connector, OM1 PC polishing for 2 mm cordage	

For additional information please contact your sales representative.

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