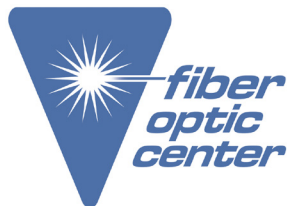


[Learn More](#)**Manufacturer:**

AFL

Product Name:

AFL FH-70-16PC Pitch Conversion Fiber Holder for 90R Fusion Splicer

Manufacturer Part Number:

S018611

▶ [Click here for more details on the AFL FH-70-16PC Pitch Conversion Fiber Holder for 90R Fusion Splicer](#)

Fusion Splicing Systems

Fujikura 90R Fusion Splicer

The Fujikura 90R is the mass fusion splicer workhorse of the splicing world. As data demand continues to rise, the solution to handle the increased traffic is to increase fiber counts. As a result, fiber counts being utilized in enterprise data centers, campus, and metro networks have grown enough to make single fiber splicing too costly and timely. High density cabling made possible by SpiderWeb Ribbon® (SWR®) and others like it are spurring ribbon splicing activity in places that have traditionally used loose fiber. The 90R is the answer to these changes in splicing demand.

With automated splice start, tube heater, wind protector, cleave tracking, and blade rotations for up to 2 cleavers at a time, this splicer frees up operator time for other fiber preparation steps. With 16-fiber add-ons, the Fujikura 90R splicer enables customers to successfully splice 16-count ribbon fibers with a 200 µm pitch and size.

With the Fujikura 90R, you can keep your splicer in the field longer with field replaceable V-grooves. When V-grooves can no longer be cleaned after extended use, or are accidentally damaged, you can resume splicing in minutes by installing the spare set included with your 90R kit. With the AFL Tote Solution installed, the 90R transit case securely integrates with Milwaukee's PACKOUT™ system, offering faster transport, stability, and time-savings for contractors and technicians.



Bluetooth®

90R



In Work Tray

Features

- Cleave tracking and upkeep with wireless communication
- Automated wind protector, tube heater and splice operation
- User replaceable V-grooves
- 200 µm and 250 µm SWR universal ribbon prep accessories
- Graphical User Interface with 5.0" Touchscreen
- PC software and 90R manual downloaded from splicer
- Multi-function transit case with integrated workstation

Applications

- Data Center cable installation
- High fiber count metro and campus networks
- Long-haul network installs and repair
- Trunk cable repair with Splice-on MPOs
- Ribbon splicing high density cables with 200 µm loose fiber



Wind Protector Open

Contact the professionals at Fiber Optic Center for a quote or to get more details.

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Fujikura 90R Fusion Splicer

Ordering Information

DESCRIPTION	AFL NO.
Fujikura 90R Fusion Splicer (machine only) includes: BTR-15 Battery, ADC-20 AC Adapter, ACC-14 AC Cord, ELCT2-16B Spare Electrodes (pair) with spare V-Grooves (VG12-01), FH-70-12 Fiber Holders (pair), USB Cable, Alcohol Dispenser, Quick Reference Guide, TS-03 Tripod Screw, Video Instruction Manual, Work Tray, CC-39 Transit Case, and Two-year Warranty	S017509
Fujikura 90R Standard Fusion Splicer Kit (with cleaver & thermal stripper) includes: BTR-15 Battery, CT50 Cleaver, RS03 Stripper, ADC-20 AC Adapter, ACC-14 AC Cord, ELCT2-16B Spare Electrodes (pair) with spare V-Grooves (VG12-01), FH-70-12 Fiber Holders (pair), USB Cable, Alcohol Dispenser, Quick Reference Guide, TS-03 Tripod Screw, Video Instruction Manual, CC-39 Transit Case and Two-year Warranty	S017511
Fujikura 90R Fusion Splicer without Bluetooth (machine only) includes: BTR-15 Battery, ADC-20 AC Adapter, ACC-14 AC Cord, ELCT2-16B Spare Electrodes (pair) with spare V-Grooves (VG12-01), FH-70-12 Fiber Holders (pair), USB Cable, Alcohol Dispenser, Quick Reference Guide, TS-03 Tripod Screw, Video Instruction Manual, CC-39 Transit Case, and Two-year Warranty	S017540
Fujikura 90R Fusion Splicer Kit without Bluetooth (with cleaver & thermal stripper) includes: BTR-15 Battery, CT50 Cleaver, RS01 Stripper, ADC-20 AC Adapter, ACC-14 AC Cord, ELCT2-16B Spare Electrodes (pair) with spare V-Grooves (VG12-01), FH-70-12 Fiber Holders (pair), USB Cable, Alcohol Dispenser, Quick Reference Guide, TS-03 Tripod Screw, Video Instruction Manual, CC-39 Transit Case, and Two-year Warranty	S017510

Recommended Products for the 90R

DESCRIPTION	AFL NO.	DESCRIPTION	AFL NO.
Cleavers and Strippers		Miscellaneous	
CT50 Cleaver	S017030	ELCT2-16B Electrodes	S017103
RS02 Thermal Stripper	S016816	FST-12 Fiber Separation Tool	S014012
RS03 Thermal Stripper	S016817	FAT-04 Fiber Arrangement Tool	S010212
Fiber Holders (pair)		FAA-03A Ribbon Forming Adhesive (4 oz. bottle)	S008720
FH-70-2	S017114	FAA-03A Ribbon Forming Adhesive (0.5 liter bottle)	S008622
FH-70-4	S017115	Splicer V-groove Cleaning Kit	S014397
FH-70-6	S017116		
FH-70-8	S017117		
FH-70-10	S017118		
FH-70-12	S017119		
FH-70-16	S017533		
Batteries and Power Cords			
ADC-20 AC Adapter	S017513		
BTR-15 Battery	S017512		
DCC-11 splicer to ribbon stripper power cord	S013852		
ACC-14 AC Power Cord	S014536		

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Fujikura 90R Fusion Splicer

Specifications

PARAMETER	VALUE
Fiber Alignment Method	Self cladding alignment with melting surface tension
Fiber Count Can Be Spliced	Up to 16 fiber ribbon
Applicable Fiber	Fiber Type
	Single mode optical fiber
Applicable Coating	Cladding Dia.
	Multi mode optical fiber
Fiber Splice Performance	Approx. 125 µm
	Coating shape : Refer to fiber holder options
Applicable Protection Sleeve	Cleave length : 10 mm
	ITU-T G.652 : Avg. 0.05 dB
Sleeve Heat Performance	ITU-T G.651 : Avg. 0.02 dB
	ITU-T G.653 : Avg. 0.08 dB
Fiber Tensile Test Force	ITU-T G.655 : Avg. 0.08 dB
	ITU-T G.657 : Avg. 0.05 dB
Electrode Life	SM FAST mode : Avg. 14 to 15 sec.
	SM AUTO mode : Avg. 19 to 20 sec.
Physical Description	Sleeve Type
	Heat-shrinkable sleeve
Environmental Condition	Sleeve Length
	Max. 66 mm
AC Adaptor	Sleeve Dia.
	Max. 6.0 mm before shrinking
Battery Pack	40 mm FP-05 mode : Avg. 38 to 40 sec.
	40 mm FP-04T mode : Avg. 17 to 19 sec.
Display	Single 60 mm mode: Avg. 13 to 15 sec.
	Approx. 2.0 N
Illumination	Approx. 1,500 splices
	Approx. 170 mm without projection
Interface	Approx. 173 mm without projection
	Approx. 150 mm without projection
Data Storage	Approx. 2.6 kg including battery
	Operate : -10 to 50°C
Screw Hole For Tripod	Storage : -40 to 80°C
	Operate : 0 to 95% RH non-condensing
Other Features	Storage : 0 to 95% RH non-condensing
	Max. 3,700 m
Automatic Functions	Altitude
	Max. 3,700 m
Reference Guide	Input
	AC100 to 240 V, 50/60 Hz, Max. 1.5 A
Electrode	Type
	Rechargeable Lithium Ion
Replaceable without tool	Output
	Approx. DC14.4V / 6,380 mAh
	Capacity
	Approx. 165 splice and heat cycles
	Temperature
	Recharge : 0 to 30°C
	Battery Life
	Storage : -20 to 30°C
	Recharge Time
	Approx. 500 recharge cycles
	LCD Monitor
	Approx. 5 – 8 hours from empty
	Magnification
	TFT 5 inches with touch screen
	V-Grooves
	Approx. 20X : 12 Ribbon to 60X : Single
	PC
	LED lamp
	External Led Lamp
	USB2.0 Mini B type
	Ribbon Stripper
	USB2.0 A type, Approx. DC5V, 500 mA
	Wireless
	Mini DIN 6 pin, DC12V, Max. 1A
	Splice Mode
	Bluetooth 4.1 LE
	Heat Mode
	100 splice modes
	Splice Result
	30 heat modes
	Splice Image
	10,000 splices
	Automatic Functions
	100 images
	Reference Guide
	1/4-20 UNC
	Electrode
	Splice mode select by fiber type analysis
	Discharge power calibration
	Wind protector : open/close
	Sheath clamp : open
	Heater lid : open/close
	Heater clamp : open/close
	Video and PDF file stored in splicer
	Replaceable without tool

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