

## 7 Helpful Hacks for Your New KF4A Fusion Splicer

# KF4A Fusion Splicer

## 7 HACKS

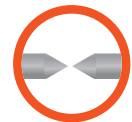
- 1 Inventory your KF4A-KIT to ensure that all ordered parts, holders and accessories are included in your shipment. Call your distributor immediately with any discrepancies.
- 2 Go to [Americailsintech.com/Register](http://Americailsintech.com/Register) and register your KF4A to activate both telephone support and your 36-month warranty. *Must be completed to receive support/repair services.*
- 3 Perform an Arc calibration with 900µm fiber (included) prior to doing any production work with your KF4A.
- 4 After your Arc calibration, use the attached settings shortcut document to set the KF4A for your desired function.
- 5 Be sure to fully charge the KF4A the first time you plug it in.
- 6 For consistent and quality performance, it is important to keep your machine clean and free from debris. Clean often and perform an Arc calibration daily when your machine has experienced notable temperature, elevation or atmospheric changes, which can affect performance.
- 7 Order our CK-01 Cleaning Kit (see page 3) within 45 days of registering your KF4A and get \$20.00 off.



**ALLINONE**



**ROTATING BLADE LIFE**  
Up to **75,000**



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**FUSION Splice-On Connectors**



**STRIPPING**



**CLEAVING**



**CLEANING**



**WORK BELT**



**WORK BELT** On a Telephone pole

## VFL Module **Field Installable**

Internally-installed Visual Fault Locator (VFL) utilizes a 650nm red laser to locate and visibly display any failure points throughout the cable such as fiber breaks, flawed splices or connectors, and other issues.

The VFL has a 2.5mm interface, and can operate in continuous or pulse mode. The VFL can be activated through an easy shortcut key on the KF4A control panel.

The Power Meter also uses a 2.5mm interface and can be set to dB or dBm by way of the KF4A control panel.

Internally-installed InGaAs (indium, gallium, arsenide) power meter can detect the amount of power that is lost during transmission, helping potential errors to be corrected before the cable goes into use.



### **CONTACT US**

America IIsintech  
4230 LBJ Freeway, Dallas TX 75244

**Phone:** 972.556.0916

**Email:** [info@americailsintech.com](mailto:info@americailsintech.com)

**Web:** [americailsintech.com](http://americailsintech.com)

# CK-01 Providing Better Splices Through Clean Fiber

When it comes to saving yourself time and money with fusion splicing, sometimes the simplest method is the easiest. By regularly maintaining your fiber optic splicer, you save yourself callbacks for dirty connections and provide a longer connector lifespan for your clients. Engineered to help field technicians clean fiber splicers quickly, reliably and inexpensively, America IIsintech's new fusion splicer cleaning kit provides all the tools needed to ensure your Swift fusion splicer continues to work accurately and efficiently. The CK-01 Kit contains cleaners, wipes and swabs, as well as an eye loupe with pen light, a sweeper Brush with soft nylon bristles, tweezers and room for extra supplies. Each kit can ensure thorough cleaning of your fusion splicer preventing any dust or debris buildup when performing connections.



KIT INCLUDES:		ITEM	QUANTITY	DESCRIPTION
		1	1	Bag, 9x8x3 Zippered
		2	1	Swabs, package of 25
		3	2	AquaKleen Cleaner, 2 fl oz bottle
		4	2	FiberKleen Wipes, pk of 50 wipes
		5	1	Brush
		6	1	Screwdriver
		7	1	Tweezers
		8	1	Illuminated Jeweler's Loupe
		9	1	Instruction Sheet
		10	1	Zipper Pull
		11	1	Sharpie, medium point



## KF4A HOLDERS AND ACCESSORIES

PART #	DESCRIPTION
HS-900	Fiber Holder, 900 microns (2)
HS-250	Fiber Holder, 250 microns (2)
HS-SC	Splice On Connector Holder, SC
HS-ST	Splice On Connector Holder, ST
HS-ILC	Splice On Connector Holder, LC
HS-FC	Splice On Connector Holder, FC
KF4-SC	Splice On Connector Holder, SC/FC
KF4-ST	Splice On Connector Holder, ST
KF4-ILC	Splice On Connector Holder, LC
HS-2.5	2-3mm Fiber Holder
HS-IN	Indoor Fiber Holder
HS-LS-900	Fiber Holder for loose tube fibers
HS-LS-900L	Fiber Holder for loose tube fibers (left side only)
KF4VFL	Visual Fault/Power Meter Module
KF4-1	Charger for KF4/KF4A
WB	Work Belt

## SPLICE MODE & HEATER MODE SETTINGS

PART #	DESCRIPTION	SPLICE MODE #	HEATER MODE #
S09	Splice Sleeve, 1.0 x 45mm, for 0.9mm	* Note (2)	5
S160	Splice Sleeve, 1.0 x 60mm, for 0.9mm	* Note (2)	1
SC-SM-UPC-09	Splice On Connector, SC, SM, UPC, 900 micron	1	10
SC-SM-UPC-20/30	Splice On Connector, SC, SM, UPC, 2mm and 3mm	1	13
SC-SM-APC-09	Splice On Connector, SC, SM, APC, 900 micron	1	10
SC-SM-APC-20/30	Splice On Connector, SC, SM, APC, 2mm and 3mm	1	13
SC-OM1-UPC-09	Splice On Connector, SC, 62.5, UPC, 900 micron	4	10
SC-OM1-UPC-20/30	Splice On Connector, SC, 62.5, UPC, 2mm and 3mm	4	13
SC-OM2-UPC-09	Splice On Connector, SC, OM2, UPC, 900 micron	5	10
SC-OM2-UPC-20/30	Splice On Connector, SC, OM2, UPC, 2mm and 3mm	5	13
SC-OM3-UPC-09	Splice On Connector, SC, OM3, UPC, 900 micron	20	10
SC-OM3-UPC-20/30	Splice On Connector, SC, OM3, UPC, 2mm and 3mm	20	13
SC-OM4-UPC-09	Splice On Connector, SC, OM4, UPC, 900 micron	21	10
SC-OM4-UPC-20/30	Splice On Connector, SC, OM4, UPC, 2mm and 3mm	21	13
FC-SM-UPC-09	Splice On Connector, FC, SM, UPC, 900 micron	1	10
FC-SM-UPC-20/30	Splice On Connector, FC, SM, UPC, 2mm and 3mm	1	13
FC-SM-APC-09	Splice On Connector, FC, SM, APC, 900 micron	1	10
FC-SM-APC-20/30	Splice On Connector, FC, SM, APC, 2mm and 3mm	1	13
FC-OM1-UPC-09	Splice On Connector, FC, 62.5, UPC, 900 micron	4	10
FC-OM1-UPC-20/30	Splice On Connector, FC, 62.5, UPC, 2mm and 3mm	4	13
FC-OM2-UPC-09	Splice On Connector, FC, OM2, UPC, 900 micron	5	10
FC-OM2-UPC-20/30	Splice On Connector, FC, OM2, UPC, 2mm and 3mm	5	13

Cont'd on page 5

## SPLICE MODE & HEATER MODE SETTINGS *Cont'd from page 4*

PART #	DESCRIPTION	SPLICE MODE #	HEATER MODE #
FC-OM3-UPC-09	Splice On Connector, FC, OM3, UPC, 900 micron	20	10
FC-OM3-UPC-20/30	Splice On Connector, FC, OM3, UPC, 2mm and 3mm	20	13
FC-OM4-UPC-09	Splice On Connector, FC, OM4, UPC, 900 micron	21	10
FC-OM4-UPC-20/30	Splice On Connector, FC, OM4, UPC, 2mm and 3mm	21	13
ST-SM-UPC-09	Splice On Connector, ST, SM, UPC, 900 micron	1	15
ST-SM-UPC-20/30	Splice On Connector, ST, SM, UPC, 2mm and 3mm	1	16
ST-OM1-UPC-09	Splice On Connector, SC, 62.5, UPC, 900 micron	4	15
ST-OM1-UPC-20/30	Splice On Connector, ST, 62.5, UPC, 2mm and 3mm	4	16
ST-OM2-UPC-09	Splice On Connector, ST, OM2, UPC, 900 micron	5	15
ST-OM2-UPC-20/30	Splice On Connector, ST, OM2, UPC, 2mm and 3mm	5	16
ST-OM3-UPC-09	Splice On Connector, ST, OM3, UPC, 900 micron	20	15
ST-OM3-UPC-20/30	Splice On Connector, ST, OM3, UPC, 2mm and 3mm	20	16
ST-OM4-UPC-09	Splice On Connector, ST, OM4, UPC, 900 micron	21	15
ST-OM4-UPC-20/30	Splice On Connector, ST, OM4, UPC, 2mm and 3mm	21	16
LCS-SM-UPC-09/SA	Splice On Connector, LC Simplex, SM, UPC, 900 micron	1	14
LCS-SM-UPC-20/SA	Splice On Connector, LC Simplex, SM, UPC, 2mm	1	14
LCS-SM-APC-09/SA	Splice On Connector, LC Simplex, SM, APC, 900 micron	1	14
LCS-SM-APC-20/SA	Splice On Connector, LC Simplex, SM, APC, 2mm	1	14
LCS-OM1-UPC-09/SA	Splice On Connector, LC Simplex, 62.5, UPC, 900 micron	4	14
LCS-OM1-UPC-20/SA	Splice On Connector, LC Simplex, 62.5, UPC, 2mm	4	14
LCS-OM2-UPC-09/SA	Splice On Connector, LC Simplex, OM2, UPC, 900 micron	5	14
LCS-OM2-UPC-20/SA	Splice On Connector, LC Simplex, OM2, UPC, 2mm	5	14
LCS-OM3-UPC-09/SA	Splice On Connector, LC Simplex, OM3, UPC, 900 micron	20	514
LCS-OM3-UPC-20/SA	Splice On Connector, LC Simplex, OM3, UPC, 2mm	20	14
LCS-OM4-UPC-09/SA	Splice On Connector, LC Simplex, OM4, UPC, 900 micron	21	14
LCS-OM4-UPC-20/SA	Splice On Connector, LC Simplex, OM4, UPC, 2mm	21	14
LCD-SM-UPC-09/SA	Splice On Connector, LC Duplex, SM, UPC, 900 micron	1	14
LCD-SM-UPC-20/SA	Splice On Connector, LC Duplex, SM, UPC, 2mm	1	14
LCD-SM-APC-09/SA	Splice On Connector, LC SDuplex, SM, APC, 900 micron	1	14
LCD-SM-APC-20/SA	Splice On Connector, LC Duplex, SM, APC, 2mm	1	14
LCD-OM1-UPC-09/SA	Splice On Connector, LC SDuplex, 62.5, UPC, 900 micron	4	14
LCD-OM1-UPC-20/SA	Splice On Connector, LC Duplex, 62.5, UPC, 2mm	4	14
LCD-OM2-UPC-09/SA	Splice On Connector, LC Duplex, OM2, UPC, 900 micron	5	14
LCD-OM2-UPC-20/SA	Splice On Connector, LC Duplex, OM2, UPC, 2mm	5	14
LCD-OM3-UPC-09/SA	Splice On Connector, LC Duplex, OM3, UPC, 900 micron	20	14
LCD-OM3-UPC-20/SA	Splice On Connector, LC Duplex, OM3, UPC, 2mm	20	14
LCD-OM4-UPC-09/SA	Splice On Connector, LC Duplex, OM4, UPC, 900 micron	21	14
LCD-OM4-UPC-20/SA	Splice On Connector, LC Duplex, OM4, UPC, 2mm	21	14



SPLICING

NUMBER (#)	DESCRIPTION
1	SM ITU-T G652
2	NZ ITU-T G655
3	DS ITU-T653
4	MM1 ITU-T G651
5	MM2 ITU-T G651
6	SM Quick
7	NZ Quick
8	DS Quick
9	MM Quick
10	G657 Quick
11	G657 A1
12	G657 A2B2
13	G657 B3
14	G657 A2B2-A1
15	G657 A2B2-A3
16	G657 B3-A1
17	G652-G657 A2B2
18	G652-G657 B3
19	G652-G657 A1
20	OM3-OM3
21	OM4-OM4
22	OM3-OM4
23	OM2-OM3
24	OM2-OM4

HEATING

NUMBER (#)	DESCRIPTION
1	60mm Type 1
2	40mm Type 1
3	60mm IS60
4	45mm IS45
5	45mm Type 1
6	34mm Type 1
7	25mm Type 1
8	20mm Type 1
9	S09 Type 1
10	S09-C Type 1
11	S20 Type 1
12	S30 Type 1
13	S30-C Type 1
14	LC09/20-C Type 1
15	ST09-C Type 1
16	ST30-C Type 1
17	60mm Type 2
18	40mm Type 2
19	45mm Type 2
20	34mm Type 2
21	25mm Type 2
22	20mm Type 2
23	S09 Type 2
24	S09-C Type 2
25	S20 Type 2
26	S30 Type 2
27	S30-C Type 2
28	LC09/20-C Type 2
29	ST09-C Type 2
30	ST30-C Type 2
31	60mm Type 3
32	40mm Type 3
33	45mm Type 3
34	34mm Type 3
35	25mm Type 3

\* Notes  
(1) Splice sleeve heat mode settings are the same regardless of fiber being terminated.  
(2) Splice sleeve splice mode settings differ depending upon the fiber being terminated.

**Date Purchased:** \_\_\_\_\_

**AI Order Number:** \_\_\_\_\_

**Serial Number:** \_\_\_\_\_

**Purchased By:** \_\_\_\_\_

**Owner Name** (If Different): \_\_\_\_\_

**Owner Address:** \_\_\_\_\_

**Owner Email Address:** \_\_\_\_\_

**Please note:** In order to activate your warranty and maintenance plan you must register this device at [www.americailsintech.com](http://www.americailsintech.com) within 30 days of receipt.

Serial numbers that are NOT registered do not qualify for support and maintenance services.

4230 LBJ Freeway, Ste. 149 Dallas TX 75244  
Office: 972.556.0916 | 972.239.5836  
Fax: 972.910.8384  
[info@americailsintech.com](mailto:info@americailsintech.com)

