



FKIT-005-FSP Fusion Splice Fiber Optic Repair Kit

About the FKIT-005-FSP

AFSI is the leader in land tactical fiber optic products and support services. Years of experience in the manufacture and support of TFOCA as well as the developer and patent holder of the TFOCA-II® connector have demonstrated AFSI's ability to bring the right solution to the Warfighter.

AFSI worked closely with the U.S. Army to develop and field the best possible cable repair solution to the tactical end users of TFOCA-II® products. Utilizing the FSM-11 D900 arc fusion splicing system selected by CECOM, the FKIT-005-FSP has been designed



*AFSI SpliceMate with the CT-30 Cleaver
and the HJS-03 Battery Powered Hot Jacket Stripper*

specifically for splicing tactical fiber optic cable in the field. When used with the CECOM selected MSPK-001, Splice Enclosure Protection Assembly Kit, a damaged fiber can be restored for battlefield use with a minimum of down time while maintaining the maximum cable strength integrity. This kit is also fully capable of supporting the traditional connector field repair of the TFOCA-II® connector by the Warfighter.

AFSI also provides a five-day course of instruction on the use of this tool kit, arc fusion splicing as well as diagnostic test equipment to ensure the Warfighter can troubleshoot, isolate and repair the equipment in the field or at the depot.

FKIT-005-FSP Repair Kit Parts List

US Army/USMC TFOCA-II® Fusion Splice Fiber Optic Repair Kit, FKIT-005-FSP	AFSI Part Number
Field Termination Procedures, TFOCA-II® 4-Ch Plug & Receptacle	3-4.4-21
Polishing Film, 0.5 Micron, Diamond, 5.5 x 5.5" (Sheets)	CPSP3150
Bottle, Labeled, Water 2oz.	CPSP7200
Bottle, Labeled, Alcohol 2oz.	CPSP7300
Piano Wire	CTMP1100
Epoxy, Mini Six Pack, 1 Gram Pack, Mil-A-24792	CTMP1202
Loctite 242, 10ml	CTMP1240
KimWipe	CPSP6000
O Lube	CTMP1251
Syringe w/Twist On Dispensing Needles, 3ml	CTMP1311
Cellophane Tape, 3/4"	CTMP1600
TFOCA-II® Kit Content	FKIT005-99-002
Safety Mat	FSPP-009-00-001
AFSI CrimpALL	FSPP-103-00-003
AFSI CrimpALL Die, TFOCA-II, ST	FSPP-103-00-004
Safety Glasses	FSPP-107-00-001
Kevlar Shears	FSPP-108-00-002
Polishing Paper, 5u Aluminum Oxide, Foam Backed	FSPP-109-00-001
Polishing Paper, 0.1u Diamond, Mylar Backed	FSPP-112-00-001
COTS Puck: FC/SC/ST	FSPP-113-00-002
Carrying Case	FSPP-114-00-001
Polishing Paper, 1u Aluminum Oxide, Mylar Backed	FSPP-119-00-001
Torque Wrench, 3/8" Drive	FSPP-120-00-001
Fiber Debris Container/Dispenser	FSPP-129-00-001
Tool Pouch	FSPP-137-00-001
Single Function Stripper/Slitter Tool	FSPP-172-00-001
Container, Plastic, 1 Compartment	FSPP-176-00-001
Container, Plastic, 5 Compartment	FSPP-176-00-002
Loctite 565	FSPP-306-01-565
TFOCA-II® Receptacle Strip Template	FSST0002

FKIT-005-FSP Repair Kit Parts List (continued)

US Army/USMC TFOCA II® Fusion Splice Fiber Optic Repair Kit, FKIT-005-FSP	AFSI Part Number
TFOCA-II® Plug Strip Template	FSST0015
4-Ch Spanner Nut Wrench	FSTF0066
Cure Adapter, for MIL-C-83522 & TFOCA-II®	FSTF0551
Curing Fixture, TFOCA-II®	FSTF0636
TFOCA-II® Termini Pliers	FSTF0645
Installation/Removal Tool Snowflake	FSTF10001-1
Miller Jacket Stripper	FSTP0001
Fiber Optic Scribe	FSTP0010
Marking Pen	FSTP0065
Hex Driver, 0.050" Handi Hex	FSTP0069
Curing Oven with Universal Block (ST, FC, SC)	FSTP0075
Stripper, Buffer Stripper No-Nik RED	FSTP0085
Hex, 3/32"	FSTP0087
Screw Driver, Slotted	FSTP0446
400x Microscope w/Universal Adapter	FSTP0447
Wrench, 1/4 x 5/16"	FSTP0514
Wrench, 5/8"	FSTP0515
Curing Oven Cable Stand & Ring	FSTP0600
Wrench, Adjustable	FSTP0601
Crows Foot, 5/8"	FSTP0606
Crimp Tool Lanyard	FSTP1005
Optic Pad	FS-TX811
Epoxy, Bi-pack, Mil-A-24792 MSDS	MSDS-EPOXY24792
Loctite 242 MSDS	MSDS-LOCT242
Loctite 565 MSDS	MSDS-LOCT565
Optic Pad MSDS	MSDS-OPTICPAD
O Lube MSDS	MSDS-PKRLUBE
Polishing Plate, 6 x 6 x .25"	PPSP1106
Resilient Pad, 70 to 90 Durometer	PPSP2000
Fusion Splicer Kit	FSPP-177-00-001

Amphenol



*Fiber Systems
International*

FKIT-005-FSP TFOCA-II® Fusion Splice Fiber Optic Repair Kit



How to Order

For more information on how to order or to obtain a price quote on our AFSI FKIT-005-FSP tool kit or other products, call toll free (U.S. only) at 800.472.4225, international calls please use 1.214.547.2400 or e-mail info@fibersystems.com.

About Amphenol Fiber Systems International

Amphenol Fiber Systems International (AFSI) designs, manufactures, markets and supports reliable and innovative fiber optic interconnect solutions that withstand the harsh environments of military, oil & gas, mining and broadcast applications. After more than a decade in business, AFSI continues to uphold its position as a global leader in fiber optic interconnect components and systems such as termini, M28876, MIL-ST, TFOCA and the TFOCA-II® connector, which AFSI developed and patented.

AFSI has delivered millions of fiber optic connectors in more than 22 countries. Whenever there is a need for superior, cost-effective fiber optic systems and products that will stand up to demanding operating environments, you can rely on AFSI for engineering know-how, top-quality products and expert technical support.

For more information about AFSI, visit www.fibersystems.com.