



Cleaning, Test and Inspection Equipment

Ordering Guide

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Data Center Cleaning, Test and Inspection

Whether installing or maintaining fiber optic networks, we have a full range of tools, test equipment, and cleaning products to help you achieve the best possible performance.

The AFL range of fiber optic cleaning, inspection and test equipment is ideal for installing and maintaining high-density network cabling in data centers.

The range has been carefully selected to help technicians overcome challenges associated with fiber identification, cleanliness, fault finding, network verification and certification. Including a series of cleaning tools, fiber scopes, visual fault identifiers, power meter & light source kits, certification testers and OTDRs, the range is designed to ensure best practice and best performance for data center networks.



Ease Of Use

Achieved through decades of experience designing for technicians



Speed

A must for testing high-density cabling environments



Accuracy

Reliable results each and every time



Standards Certification

Certify networks to the latest ISO, IEC or TIA cabling standards



Report Generation

Store, analyze and report on projects with professional industry accepted software



Test and Inspection

Carefully designed for those installing and maintaining high-density network cabling in data centers, our fiber scopes are engineered to provide accurate results every time. Ensure your network runs smoothly with our range of compact, lightweight and user-friendly test and inspection products.

FOCIS Lightning[®]2

Product Overview

FOCIS Lightning2 is a compact self-contained inspection probe that captures and displays the entire MPO end-face image in less than two seconds. One button provides auto-focusing, centering, and Pass/Fail analysis at the connector and individual fiber level. It can complete a 24-fiber MPO inspection task in less than 15 seconds. Results can be easily shared via USB and Bluetooth[®].



Features

- Large, simple-to-use touch screen
- Auto-focus and auto-centering for fast, easy inspection
- Stores 10k images or easily shares data via USB or Bluetooth connectivity
- Wide variety of adapter tips for MPO and single-fiber connector types

Ordering Information

Description	Part Number
FOCIS Lightning [®] 2 probe with wrist strap and dust cap, USB data/power cable and charger with country-specific plug, (1) MPOU adapter tip, (1) MPOA adapter tip, (1) SFC adapter tip, (1) MPO-12 and MPO-16 alignment sleeves, (2) One-Click MPO cleaners, quick reference guide, and Easy Access carry case.	FOCIS-LT2-UASF

FOCIS Flex Fiber Scope

Product Overview

FOCIS Flex is an ultra-compact Fiber Optic Connector Inspection Scope utilizing the latest liquid lens camera technology for fast auto-focus, centering and PASS/FAIL analysis. With the press of a single button, FOCIS Flex auto-focuses, captures and centers the end-face image, applies pass/fail rules and stores the image locally.



Features

- 1-button to auto-focus, center, capture, analyze, and save
- Self-contained, tether-free, handheld inspection solution
- IEC, IPC and user-defined pass/fail analysis
- Use independently, pair with a FlexScan OTDR or the free FlexApp (iOS and Android) for mobile inspection reporting
- Save results internally and upload via USB, Bluetooth or WiFi
- Create comprehensive inspection reports using included FlexReporter Basic software suite
- Ergonomic design fits easily in the palm of your hand

Ordering Information

Description	Part Number
FOCIS Flex Kit with 4 user-selected UPC & APC adapter tips (ferrule and bulkhead) Includes: FOCIS Flex probe with wrist strap and dust cap, FlexReports - Basic software with 60-day reporting trial, AC charger with country-specific plug, USB cable, quick reference guide, soft carry case with strap	FOCIS-FLX-P4XUA

FlexReporter® Software

Product Overview

The FlexReporter Software Suite works with AFL Test and Inspection instruments to provide a simple-to-use, high-performance cloud-enabled reporting platform. With FlexApp, field technicians can instantly upload test results from their mobile device, eliminating paperwork and manual data entry. FlexReports PC is a powerful Windows desktop application for building customized, professional reports from test results, with full control over formatting and data management. Together, the two components of the FlexReporter Software Suite create a seamless workflow from field to final report.



Features

- Single software platform supporting AFL test and inspection instruments
- Wireless field upload of test data using the FlexApp Mobile App
- Results viewing, editing, and reporting using the FlexReports PC software
- Comprehensive OTDR, OLTS, and Inspection Bi-directional reporting capability

Ordering Information

Description	Part Number
FlexReports Advanced, one seat license on USB	8800-01-0125PR

FlexScan® FS200-300 MPO

Product Overview

FlexScan® FS200 pocket-sized series of OTDRs offer fast, accurate, singlemode fiber characterization and fault location with SmartAuto® and FleXpress® test modes. Weighing in at less than a pound (0.4kg) FlexScan OTDRs are designed to deliver high-performance testing on LAN structured cabling and data center networks. Using AFL's multi-pulse acquisition technology, users are able to detect short patchcords hidden in data center cross connects and faulty connectors causing system failures.



Features

- Test MMF and SMF, point-to-point and PON
- SmartAuto detects closely spaced events without sacrificing range
- LinkMap icons clearly identify event type & pass/fail status
- Print-to-PDF plus internal & external data storage

Ordering Information

Description	Part Number
FlexScan® FS200 1310/1550nm OTDR with OPM/OLS/VFI & FleXpress®	FS200-300-BAS-P1-W1
All kits include FlexScan with AC charger, battery, carry strap, SC/2.5 mm connector adapters, FlexReporter Basic Software Suite, USB cable and carry case.	

SMLP 8 Optical Loss Test Kit

Product Overview

The SMLP8 kits includes the FlowScout® OPM8 optical power meter and OLS8 optical light source. These inclusive kits provide rapid loss testing with pass/fail results for use in enterprise LAN, data center, PON, and broadband networks.

Features

- Large color touchscreen with icon-driven user interface
- Rapid pass/fail analysis based on user-set limits
- Wave ID functionality for accuracy and reduced test time
- Rugged design backed by industry-best 5-year warranty
- Internal test results storage
- Reports generation via OPM8 using AFL's FlexReporter® Suite



Ordering Information

Description	Part Number
FlowScout® Optical Loss Test Kit	SLP8-02-[KIT] SLP8-07-[KIT] SMLP8-04-[KIT]
All SLP8/SMLP8 test kits are available in a Basic or Plus versions and include an optical power meter, optical light source, adapter cap, quick reference guide, and carry case.	

OTDR Fiber Rings

Product Overview

Fiber Rings are often a necessity when testing with an OTDR. Fiber Rings are compact launch / receive cables designed to measure the insertion loss of the near-end and/or far-end connection of a fiber optic link using an OTDR. Both a launch and receive cable are required to measure complete link loss of a fiber with an OTDR. A launch cable, which connects the OTDR to the link under test, reveals the insertion loss and reflectance of the near-end connection. A receive cable, which connects to the far-end of the link, reveals the insertion loss and reflectance of the far-end connection.

Features

- Compact, rugged, lightweight
- 150, 500, and 1000m lengths standard
- Available with a variety of connector styles
- Compact - fits easily in OTDR cases or kits



Ordering Information

Description	Part Number
AFL offers coiled lengths of 50 µm and 62.5 µm multimode, standard single-mode fiber (G.652) and bend-insensitive fiber (G.657), packaged in compact rings for use as OTDR test cords	

Multi-Fiber Switches

Product Overview

AFL's multi-fiber switches enable OTDR testing of 12- and 24-fiber MPO cables without breakout cables, saving time and money. Available in single-mode MPO-24 and multimode MFS Switch configurations for fast MPO cable testing.

Both allow you to utilize a single piece of test equipment to seamlessly cycle through all of the fibers in a connector, regardless of polarity, without having to disconnect and reconnect your test equipment, making the testing of your network more efficient.



Features

- Integrates with AFLs FlexScan® OTDRs (FS200 and FS300) to automate testing
- Dual wavelength, Single-Mode or Multimode
- 24-fiber (MPO-24) and 12-fiber (MFS) switching capability

Ordering Information

Description	Part Number
MPO-24 Switch (24-fiber single-mode) with MPO APC pinned and SC/APC connectors	MPO24-SM-OTDR-ADD
MFS Switch (12-fiber multimode) with MPO UPC pinned and SC/UPC connectors	MPO-MM-OTDR-ADD

VFI4 Visual Fault Identifier

Product Overview

AFL's compact VFI4-L injects high-powered red-laser light to provide exceptional brightness and range for locating defects in single-mode and multimode fibers. The light generated by these units will escape from sharp bends and breaks in jacketed or bare fibers, as well as poorly mated connectors enabling technicians to quickly spot faults. The universal connector interface mates with many connector styles without needing an adapter.



Features

- Universal connector interface for quick connection
- 2.5 mm universal adapter (included) accepts FC, SC, ST, etc. connectors
- 1.25 mm universal adapter (not included) accepts LC and MU connectors
- VFI4-L is available with output power of 1.0 mW with 4 km range

Ordering Information

Description	Part Number
VFI4-L visual fault identifier with 2.5 mm adapter	VFI4-02-0900PR

OFI-BIPMe Optical Fiber Identifier

Product Overview

The OFI-BIPMe/BIPMe optical fiber identifier is an easy-to-use tool that determines if a fiber is live, the transmission direction, and the relative core power on standard and bend-insensitive single-mode and multimode fibers. Its positive-stop trigger mechanism provides the right amount of pressure every time to assure proper detection, while keeping loss to a minimum. This ensures that traffic will not be interrupted and the fiber will not be damaged.



Features

No heads to change or lose: The universal head of the OFI-BIPMe/BIPMe eliminates the need to change an adapter head for jacketed, coated, or ribbon fibers, making it extremely easy to use in the field.

Integrated optical power meter: The optical power meter mode verifies power levels during installation or troubleshooting.

Color touchscreen: The touchscreen provides simple-to-follow setup instructions and clear results that are easy to read.

Field technician favorite: The OFI-BIPMe/BIPMe is a favorite of technicians for its accuracy, ease of use, integrated power meter, and ergonomic design.

Doesn't damage delicate fibers: The positive-stop trigger ensures that the right pressure is applied every time, while the slim head makes it easier to reach and test tightly-packed fibers without damaging them.

Ordering Information

Description	Part Number
BI Enhanced Optical Fiber Identifier with integrated Optical Power Meter. The kit includes one 2.5 mm Universal Power Meter Port Adapter, BIPM-00-25.	OFI-BIPMe

OFI-400 Optical Fiber Identifier

Product Overview

The OFI-400 is a rugged, hand-held and easy-to-use fiber optic test instrument designed to detect and measure the core power levels of optical signals on singlemode optical fiber without disrupting traffic on that fiber. The OFI-400 is simply clamped onto a fiber and indicates the presence and direction of traffic, CW signals and 270, 330, 1000 and 2000 Hz test tones. It allows technical personnel to unambiguously identify a specific fiber and eliminates the risk of accidental disruption of revenue service.



Features

- Unique optical head with 2-position plunger for use with all fiber types
- Built-in power meter calibrated for 250um bare fiber
- Detects traffic, CW and 270, 330, 1000 and 2000 Hz tones
- Indicates direction of transmissions
- Low insertion loss
- 5 year product warranty

Ordering Information

Description	Part Number
OFI-400 Optical Fiber Identifier	OFI-400

MT Tracer (12-fiber VFI and Display)

Product Overview

The MT Tracer is a compact multi-fiber Visual Fault Identifier (VFI) to verify MPO / MTP® fiber cable type (A, B, C), continuity and end-to-end polarity. The user simply connects the 12-fiber cable directly to the unit and views the results. Fibers can be tested individually or all at once. By progressing sequentially through the fibers, cables can be quickly checked for polarity by verifying the proper order at the output. Additionally, damaged fiber(s) are quickly identified with the MT Tracer saving trouble-shooting time when cables are put into service.



Features

- Test 8 and 12 fiber MTP® assemblies
- MPO Cable Verification (Type A, B, C)
- Test polarity, continuity, and fiber mismatch
- Locate ends of unmarked cables in data centers

Ordering Information

Description	Part Number
MT Tracer Kit (Source, Display and carry case)	TRCR-90-0900



Cleaning

As data centers strive to support an ever-increasingly connected world, it is more important than ever that best practices are followed when cleaning and inspecting fiber endfaces. AFL's industry-leading cleaning solutions ensure your data center operates at optimal performance levels with minimal service disruptions.

One-Click® Cleaners

Product Overview

Easy-to-use solution for cleaning fiber optic connectors on jumpers and in adapters. Since over 85% of network outages are attributed to dirty and/or damaged connectors, it is critical to clean every connector! The patented One-Click Cleaner uses the mechanical push action to advance an optical grade cleaning tape while the cleaning tip is rotated to ensure the fiber end-face is effectively, but gently, cleaned. It is a favorite of field technicians for its ease of use, durability, effectiveness, and small size.



Features

- Patented single-action cleaning in a small ergonomic design
- Variety of sizes and types for different connector styles
- Cleans connectors in both jumpers and bulkhead adapters
- Low cost per clean

Ordering Information

Description	Part Number
FlexReports Advanced, one seat license on USB	RPTS-AD-USB-1
One-Click® Cleaner SC/ST/FC (500 cleans)	8500-05-0001MZ
One-Click® Cleaner MU/LC (500 cleans)	8500-05-0002MZ
One-Click® Cleaner D-LC, Duplex LC (2 x 500+ cleans)	8500-05-0008MZ
One-Click® Cleaner MPO (500 cleans)	8500-05-0030MZ
One-Click® Cleaner SC Pro (775+ cleans)	8500-05-PRO-SC
One-Click® Cleaner LC Pro (775+ cleans)	8500-05-PRO-LC
One-Click® Cleaner MMC for MMC-16 Connectors	8500-05-MMC16
One-Click® Cleaner MMC for MMC-24 Connectors	8500-05-MMC24
One-Click® Cleaner SN Duplex (500+)	8500-05-0016MZ

Cletop-SB Cassette Cleaner with white tape

Product Overview

The CLETOP-SB Cassette Cleaner is a rugged handheld tool for cleaning a variety of fiber optic connector end faces. CLETOP cleaners are a safe cleaning option without the need for isopropyl alcohol, which is toxic and flammable. CLETOP cleaners have refillable cleaning tapes with 400 cleans per tape making them ideal for lab and field use. The simple push button shutter operation makes cleaning connectors quick and easy.



Features

- Cleans SC, FC, ST, DIN, D4, MU, LC, MT, MPO/MTP® without pins, and MT-RJ without pins
- Replacement tape cartridge and ergonomic design
- Over 400 swipes each tape

Ordering Information

Description	Part Number
Cletop-SB Cassette Cleaner with white tape	8500-10-0016MZ

CLETOP-MPO

Product Overview

The CLETOP-MPO Cassette Cleaner is a rugged handheld tool for cleaning MPO and MTP® fiber optic connector end faces with pins. CLETOP cleaners are a safe cleaning option without the need for isopropyl alcohol, which is toxic and flammable. CLETOP cleaners have refillable cleaning tapes with 400 cleans per tape making them ideal for lab and field use.



Features

- Cleans MPO/MTP with pins
- Replacement tape cartridge
- Over 400 swipes each tape

Ordering Information

Description	Part Number
CleTOP MPO/MTP® Cassette Cleaner with pins (white tape)	8500-10-0033MZ

CCT Connector Cleaning Tips

Product Overview

CCT Connector Cleaning Tips are a unique technology in fiber connector end-face cleaning. Rather than a fabric-covered or foam-covered stick, CCTs are molded cleaning tips that trap contamination and wick cleaning solvents away from connector end-faces.



Features

- Quality construction with unlimited shelf life
- Molded sintered polymer construction assures perfect bulkhead fit and consistent performance
- Traps and holds liquid and particle contaminants in an absorbent open cell matrix ranging from 10-25 microns
- No fibers, binders, adhesives or outgassing that may contaminate the connector
- The elastic cleaning head enhances entrapment of particles and oils, while allowing the tip to conform to virtually any fiber end-face geometry (8 degree, domed polish, etc.)

Ordering Information

Description	Part Number
Connector Cleaning Tips for exposed 2.5, 2.0 & 1.6mm ferrules & termini (Yellow) (20 sticks)	CCTP-25-0900MZ
Connector Cleaning Tips For 1.25 mm ferrule in adapters or sockets (40 sticks)	CCTS-12-0900MZ

FCC2 Fiber Connector Cleaner Fluid

Product Overview

Easily and safely clean contaminants from fiber connector end-faces and optical fiber before field terminating or fusion splicing. The FCC2 Enhanced Formula Fiber Optic Cleaning and Preparation Fluid is a non-flammable, environmentally safe, residue free solvent engineered to easily remove contaminants from fiber optic end-faces and bare fiber. It outperforms alcohol IPA based cleaners without the health and safety risks. FCC2 is not hazardous and not regulated for all modes of transportation and shipping including air-cargo.



Features

- Not hazardous/not regulated for all modes of transport, including air cargo
- Dries without a residue, unlike alcohol
- Eliminates electrostatic charge

Ordering Information

Description	Part Number
Fiber Connector Cleaner Fluid (1 can, 3 oz/85 g)	FCC2-00-0902

WFW and FA1 FiberWipes™ and FiberAide

Product Overview

Specifically designed to lift and trap common contaminants found in fiber optic installations, AFL FiberWipes provide superior cleaning results from material that is stronger and more absorbent, yet softer than traditional cellulose wipes. Packaged in a clean room, the fabric is fully optical quality grade.



Features

- Lint free
- Fully optical grade
- Robust and tear-resistant
- Softer than traditional cellulose wipes

Ordering Information

Description	Part Number
FiberWipes –single mini-tub (90 wipes)	9000-03-0025MZ
FiberWipes – case of 24 mini-tubs (2160 total wipes, 90 wipes per mini-tub)	9000-03-0026MZ
FiberAide 1 – case of 600 packets (60 bundles, 10 packets per bundle)	9000-03-0027MZ

Micro Sticks

Product Overview

Micro fiber sticks are the ideal consumable for cleaning 1.25mm bulkheads after installation. They can be used to clean the end faces of installed connectors, from inside the enclosure. Cleaning is achieved by inserting the micro fiber tip inside the adapter's aperture and twisting once. The micro fiber material allows the user to clean installed connector end faces without scratching the surface, and ensures a perfect clean first time.



Features

- Works with 1.25mm adapters: LC, MU
- Material: Micro fiber, antistatic
- Size: 10mm x 4mm (body) 13mm x 2mm (head)

Ordering Information

Description	Part Number
1.25mm Micro Fiber Sticks	CLEANSTICK

Enterprise Easy-Access Cleaning Kit

Product Overview

FCP Cleaning Kits from AFL offer a complete selection of fiber optic cleaning products for field cleaning of connector endfaces in a convenient carry case. The Basic FCP2 Cleaning Kit includes FCC2 cleaning fluid, FCC3 Debris Destroyer™, One-Clicks for SC, ST, FC, LC and MU connectors, FiberWipes, and a Cletop SB



Features

- Mix of wet and dry cleaning products for most applications
- MPO/MTP® Option
- Field portable
- Convenient refill options

Ordering Information

Description	Part Number
Enterprise Easy-Access Cleaning Kit. Includes: FCC2 Fiber Connector Cleaner And Preparation Fluid (can), FCC3 Debris Destroyer Fiber Optic Cleaning Pen, CCTS-12 (for 1.25 mm ferrule) and CCTS-25 (for 2.5 mm ferrule) Connector Cleaning Tips, Cletop-S, Type B with White Tape, One-Click Cleaners (Duplex LC, LC/MU, Ultra 2.5, MPO), Soft Carry Case.	FCP3-00-0901

How to Order



We have dedicated multilingual sales teams around the world who will be able to assist you in quotes and ordering. Scan the QR code to fill out a contact form.

You can also find the contact details for our teams below:

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Founded in 1984, AFL is an international manufacturer providing end-to-end network solutions to the energy, service provider, enterprise, hyperscale and industrial markets. The company's products are in use in over 130 countries and include fiber optic cable, assemblies, and hardware, transmission and substation accessories, outside plant equipment, connectivity, test and inspection equipment, fusion splicers, and training. AFL also offers a wide variety of services supporting data center, enterprise, wireless and outside plant applications.

Headquartered in Spartanburg, SC, AFL has operations in the U.S., Mexico, Canada, Europe, Asia and Australia, and is a wholly owned subsidiary of Fujikura Ltd. of Japan.