



FQCIS Inspection Adapter Tips

FOCIS Flex Fiber Optic Connector Inspection System

U.S. Patent 9,217,688

FOCIS Flex is the world's smallest, fastest, self-contained fiber connector inspection probe. Its innovative, ultrafast auto-focusing system auto-centers, captures and analyzes the optical fiber end-face, displaying "Pass/Fail" results on the built-in screen with one push of a button. Results can be transferred wirelessly to smart devices or FlexTester and FlexScan OTDRs. The FOCIS Flex offers built-in pass/fail analysis to updated IEC 61300-3-35, IPC, AT&T or user set criteria. The device can also be used for OptiTap and MTP/MPO inspections with AFL adapters.

Download the free FOCIS Flex App to archive results and prepare inspection reports using AFL's aeRos cloud-based workflow management software. FOCIS Flex App is available via Google play or Apple Store.



Smart Device with FOCIS Flex App

FOCIS Flex

FEATURES

- Auto-focus and auto-centering for fast, easy inspection
- Auto analysis (Pass/Fail with IEC 61300-3-35, IPC, AT&T, or user-defined rules)
- Auto-saving
- Auto sending wirelessly to smart devices or AFL OTDRs
- Self-contained, compact, hand-held inspection solution
- Use independently, or pair with AFL OTDRs or smart devices
- Save results internally and upload via Bluetooth or USB
- Untethered operation simplifies access at patch panels
- Generate inspection reports using aeRos or TRM® 2.0

APPLICATIONS

- Inspect connectors on patch cords or in bulkhead adapters
- Optical network installation, troubleshooting and maintenance
- Inspect MPO/MTP multi-fiber connectors
- Assure critical fiber infrastructure performs properly
- Keep fiber connections working at optimal performance levels
- Verify proper connector cleaning practices are being used

ORDERING

All FOCIS Flex models include soft carry case/holster, USB Cable, AC charger, wrist strap, TRM® 2.0 Basic Test Results Manager software plus aeRos Basic user account.

DESCRIPTION	AFL NO.
FOCIS Flex, no tips	FOCIS-FLX-P4XN
FOCIS Flex, UPC bulkhead and UPC ferrule tips (1 ea), One-Click Cleaner	FOCIS-FLX-P4XU
FOCIS Flex, APC bulkhead and APC ferrule tips (1 ea), One-Click Cleaner	FOCIS-FLX-P4XA
FOCIS Flex, no tips, no BT or WiFi wireless functionality	FOCIS-FLX-NW-P4XN
FOCIS Flex, UPC bulkhead and UPC ferrule tips (1 ea), One-Click cleaner, no BT or WiFi	FOCIS-FLX-NW-P4XU
FOCIS Flex, APC bulkhead and APC ferrule tips (1 ea), One-Click cleaner, no BT or WiFi	FOCIS-FLX-NW-P4XA

Purchase in Kit with FlexScan or FlexTester OTDR and save!

For details, see FOCIS Flex, FlexScan, FLX380, or OFL280 product profiles at www.Aflglobal.com/Test.

FOCIS WiFi2 Fiber Optic Connector Inspection System

FOCIS WiFi2 is an ergonomic Fiber Optic Connector Inspection System that, when paired with an iOS or Android smart device, provides fast and accurate IEC/IPC/AT&T compliant and user-defined pass/fail end-face cleanliness analysis. Free of charge iOS and Android companion apps support a comprehensive and user-friendly feature set.



Pass/fail results in seconds: With the press of a single button, FOCIS WiFi2 auto-focuses, captures, centers and analyzes the end-face image to industry standard IEC 61300-3-35 (2015), IPC-8497-1, AT&T TP-76461 and user-defined criteria.

Untethered operation: App-based report generator with results/reports that can be shared by email. With rechargeable battery and convenient pass/fail LED feedback, FOCIS WiFi2 can be used autonomously.

Wide range of adapter tips: Interchangeable adapter tips support single and multi-fiber connector inspection for a wide range of patch cords and bulkhead-mounted connectors having either PC/UPC or APC polished end-faces; compatible with all FOCIS Flex adapter tips.

ORDERING

DESCRIPTION	AFL NO.
FOCIS WiFi2, soft carry case, AC charger, with NO tips or One-Click cleaner	FOCIS-WIFI2-N
FOCIS WiFi2, soft carry case, AC charger, user-selected: (2) UPC ferrule & bulkhead adapter tips and (1) One-Click cleaner	FOCIS-WIFI2-U
FOCIS WiFi2, soft carry case, AC charger, user-selected: (2) APC ferrule & bulkhead adapter tips and (1) One-Click cleaner	FOCIS-WIFI2-A
FOCIS WiFi2, soft carry case, AC charger, user-selected: (2) UPC and (2) APC ferrule & bulkhead adapter tips and (1) One-Click cleaner	FOCIS-WIFI2-UA

DFS1 Digital FiberScope

The DFS1 Digital FiberScope supports magnified video inspection of optical fiber connector end-faces during fiber optic cable and connector installation and maintenance. Fiber end-faces may also be viewed on a PC (using AFL SimpleView™ software) by connecting the DFS1 to the PC's USB port.



FEATURES

- 400x magnification
- Fast, easy focus and display capture
- Adapter tips easily changed

APPLICATIONS

- Ideal for Telco, Broadband and Enterprise
- Optical connector and
- bulkhead adapter inspection
- Powered from USB; no batteries required

ORDERING

MODEL AND DESCRIPTION	AFL NO.
DFS1 Digital FiberScope PC/UPC Inspection Kit	DFS-00-04XU
DFS1 Digital FiberScope APC Inspection Kit	DFS-00-04XA
DFS1 USB Digital Fiber Inspection Kit without adapters	DFS-00-04XN

Featured FOCIS Adapter Tips – 2018



The FFLX-01-ULCHD (tip ID LCNGU) is an LC PC/UPC adapter tip for ultra high density Optical Distribution Frames such as the NG4 access trays from CommScope.



The FFLX-01-ALC2 (tip ID ALC2) is an LC APC bulkhead adapter tip that includes an internal prism to optimize endface illumination level.



AFL T&I is now offering an adapter tip for MPO-16 UPC connectors and bulkheads. Part number is DFS1-00-0058MR and the tip ID is MTP16, as shown.



The DFS1-00-0060MR Dual Axis (up/down & right/left) mechanical scanning base is now recommended for all MPO and MPO-16 ferrule inspection applications, especially APC. The ability to adjust in both spatial dimensions can help accurately image angled end-faces.






For dense LC bulkhead environments, the short (~60 mm) extended adapter tip for APC ferrules (part number DFS1-01-0014MR, tip ID LCA-S) is recommended.

Adapter Tips for AFL's Inspection Products

Following table identifies commonly required adapter tips. Consult factory for additional adapter tips.

IMAGE	DESCRIPTION	FOCIS WIFI2, FOCIS FLEX	FOCIS WIFI, DFS1	TIP ID	AFL NO.
PC FERRULE CONNECTOR ADAPTER TIPS					
	Universal 1.25 mm tip for PC ferrule connector		◆	U125	DFS1-00-0001MR
	Universal 2.5 mm tip for PC ferrule connector	◆	◆	U25	DFS1-00-0002MR
	Universal 2.0 mm tip for PC ferrule connector	◆	◆	U20	DFS1-00-0005MR
	Universal 1.6 mm tip for PC ferrule (termini)	◆	◆	T16M	DFS1-00-0006MR
	Slim 1.25 mm probe tip for LuxCis and termini		◆	T12M	DFS1-00-0038MR
	Slim 2.5 mm PC ferrule tip for ELIO and termini		◆	T25M	DFS1-00-0039MR
	Tip for Biconic ferrule connector		◆	BI	DFS1-00-0007MR

Adapter Tips for AFL's Inspection Products

IMAGE	DESCRIPTION	FOCIS WIFI2, FOCIS FLEX	FOCIS WIFI, DFS1	TIP ID	AFL NO.
	Tip for ELIO 1.25 mm ferrule connector		◆	E12M	DFS1-00-0008MR
	Tip for SMA 905 ferrule connector	◆	◆	SMA	DFS1-00-0009MR
SC/PC AND FC/PC BULKHEAD ADAPTER TIPS					
	Tip for SC/PC and FC/PC bulkhead adapter		◆	FS	DFS1-00-0003MR
	Short (~60 mm) extended tip for SC/PC and FC/PC bulkhead adapter	◆	◆	FS	DFS1-00-0010MR
	Medium (~100 mm) extended tip for SC/PC and FC/PC bulkhead adapter	◆	◆	FS	DFS1-00-0011MR
	Long (~150 mm) extended tip for SC/PC and FC/PC bulkhead adapter	◆	◆	FS	DFS1-00-0012MR
	60° angled tip for SC/PC and FC/PC bulkhead adapter		◆	FS, A6	DFS1-00-0013MR

Adapter Tips for AFL's Inspection Products

IMAGE	DESCRIPTION	FOCIS WIFI2, FOCIS FLEX	FOCIS WIFI, DFS1	TIP ID	AFL NO.
	60° angled tip for SC/PC bulkhead adapter		◆	SC, A6	DFS1-00-0040MR
ST/PC BULKHEAD ADAPTER TIPS					
	Tip for ST/PC bulkhead adapter	◆	◆	ST	DFS1-00-0014MR
	Short (~60 mm) extended tip for ST/PC bulkhead adapter	◆	◆	ST	DFS1-00-0015MR
	Medium (~100 mm) extended tip for ST/PC bulkhead adapter	◆	◆	ST	DFS1-00-0016MR
	Long (~150 mm) extended tip for ST/PC bulkhead adapter	◆	◆	ST	DFS1-00-0017MR
	60° angled tip for ST/PC bulkhead adapter		◆	ST, A6	DFS1-00-0018MR
LC/PC BULKHEAD ADAPTER TIPS					
	Tip for LC/PC bulkhead adapter		◆	LC	DFS1-00-0004MR

Adapter Tips for AFL's Inspection Products

IMAGE	DESCRIPTION	FOCIS WIFI2, FOCIS FLEX	FOCIS WIFI, DFS1	TIP ID	AFL NO.
	Short (~60 mm) extended tip for LC/PC bulkhead adapter	◆	◆	LC	DFS1-00-0019MR
	Medium (~100 mm) extended tip for LC/PC bulkhead adapter	◆	◆	LC	DFS1-00-0020MR
	Long (~150 mm) extended tip for LC/PC bulkhead adapter	◆	◆	LC	DFS1-00-0021MR
	60° angled tip for LC/PC bulkhead adapter		◆	LC, A6	DFS1-00-0022MR
E2000/PC BULKHEAD ADAPTER TIPS					
	Short (~60 mm) extended tip for E2000/PC bulkhead adapter	◆	◆	E2K	DFS1-00-0023MR
	Medium (~100 mm) extended tip for E2000/PC bulkhead adapter	◆	◆	E2K	DFS1-00-0024MR
	Long (~150 mm) extended tip for E2000/PC bulkhead adapter	◆	◆	E2K	DFS1-00-0025MR

Adapter Tips for AFL's Inspection Products

IMAGE	DESCRIPTION	FOCIS WIFI2, FOCIS FLEX	FOCIS WIFI, DFS1	TIP ID	AFL NO.
MU/PC BULKHEAD ADAPTER TIPS					
	Tip for MU/PC bulkhead adapter	◆	◆	MU	DFS1-00-0026MR
	Short (~60 mm) extended tip for MU/PC bulkhead adapter	◆	◆	MU	DFS1-00-0027MR
	Medium (~100 mm) extended tip for MU/PC bulkhead adapter	◆	◆	MU	DFS1-00-0028MR
	Long (~150 mm) extended tip for MU/PC bulkhead adapter	◆	◆	MU	DFS1-00-0029MR
	60° angled tip for MU/PC bulkhead adapter		◆	MU, A6	DFS1-00-0030MR
MTP/MPO MULTI-FIBER ADAPTER TIPS (ferrule and bulkhead)					
	MTP/PC ferrule and bulkhead adapter extended tip; includes base and MTP/PC front end tip	◆	◆	MTP ^a	DFS1-00-0037MR
	Front end tip for MTP/PC ferrule and bulkhead adapter	◆	◆	MTP ^b	DFS1-00-0041MR

Notes:

- a. MTP extended tip marking includes S/N since these have moving parts.
- b. Base plus tip is required to inspect MPO/MTP connectors. All MPO/MTP connectors are inspected through bulkhead adapter.

Adapter Tips for AFL's Inspection Products

IMAGE	DESCRIPTION	FOCIS WIFI2, FOCIS FLEX	FOCIS WIFI, DFS1	TIP ID	AFL NO.
	Front end tip for MPO-16 UPC connectors and bulkheads	◆	◆	MTP16 ^b	DFS1-00-0058MR
	MTP/PC and MTP/APC ferrule and bulkhead adapter extended tip kit; includes base and MTP/PC and MTP/APC front end tips	◆	◆	MTP, MTPA ^{a,b}	DFS1-00-0042MR
	Multi-row MTP/PC ferrule and bulkhead adapter extended tip kit; includes base and multi-row MTP/PC front end tip	◆	◆	MTP ^{a,b}	DFS1-00-0050MR
	Multi-row MTP/PC ferrule and bulkhead adapter extended tip - base	◆	◆	MTP ^{a,b}	DFS1-00-0060MR
SC2 BULKHEAD ADAPTER TIPS					
	Short (~60 mm) extended tip for SC2 bulkhead adapter	◆	◆	SC2	DFS1-00-0043MR
	Medium (~100 mm) extended tip for SC2 bulkhead adapter	◆	◆	SC2	DFS1-00-0044MR
	Long (~150 mm) extended tip for SC2 bulkhead adapter	◆	◆	SC2	DFS1-00-0045MR

Notes:

- a. MTP extended tip marking includes S/N since these have moving parts.
- b. Base plus tip is required to inspect MPO/MTP connectors. All MPO/MTP connectors are inspected through bulkhead adapter.

Adapter Tips for AFL's Inspection Products

IMAGE	DESCRIPTION	FOCIS WIFI2, FOCIS FLEX	FOCIS WIFI, DFS1	TIP ID	AFL NO.
MISCELLANEOUS ADAPTER TIPS					
	Universal 60-degree angled extender adapter	◆	◆	A6A, U-A6	DFS1-00-0056MR
	Tip for LEMO 2.0 mm bulkhead adapter		◆	LEMO	DFS1-00-0031MR
	Tip for LX.5/PC bulkhead adapter		◆	LX	DFS1-00-0032MR
	Tip for 2.0 mm termini bulkhead adapter		◆	T20F	DFS1-00-0033MR
	Tip for 1.6 mm termini bulkhead adapter		◆	T16F	DFS1-00-0034MR
	Tip for ELIO 1.25 mm bulkhead adapter		◆	E12F	DFS1-00-0036MR
	Tip for SMA 905 bulkhead adapter	◆	◆	SMAF	DFS1-00-0046MR

Adapter Tips for AFL's Inspection Products

IMAGE	DESCRIPTION	FOCIS WIFI2, FOCIS FLEX	FOCIS WIFI, DFS1	TIP ID	AFL NO.
	TFOCA II ferrule and bulkhead adapter tip and guide kit		◆	TFO-U TFO-G	DFS1-00-0047MR
	TFOCA II ferrule and bulkhead adapter guide only		◆	TFO-G	DFS1-00-0048MR
	TFOCA II ferrule and bulkhead adapter tip only		◆	TFO-U	DFS1-00-0049MR
	Adapter for Viavi / Westover tips	◆	◆	WOA	DFS1-00-0057MR
APC TIPS					
	Universal 1.25 mm tip for APC ferrule connector		◆	U12A	DFS1-01-0001MR
	Universal 2.5 mm tip for APC ferrule connector	◆	◆	U25A	DFS1-01-0002MR
	Tip for SC/APC and FC/APC bulkhead adapter		◆	FSA	DFS1-01-0003MR

Adapter Tips for AFL's Inspection Products

IMAGE	DESCRIPTION	FOCIS WIFI2, FOCIS FLEX	FOCIS WIFI, DFS1	TIP ID	AFL NO.
	Tip for SC/APC bulkhead adapter	◆	◆	SCA	DFS1-01-0011MR
	Tip for LC/APC bulkhead adapter		◆	LCA	DFS1-01-0004MR
	Short (~60 mm) extended tip for SC/APC bulkhead adapter	◆	◆	SCAX	DFS1-01-0005MR
	60° angled tip for SC/APC bulkhead adapter		◆	A6A	DFS1-01-0006MR
	Tip for hardened SC/APC (OptiTap®) bulkhead adapter	◆	◆	OTAPA	DFS1-01-0007MR
	Tip for E2000/APC bulkhead adapter	◆	◆	E2KA	DFS1-01-0008MR
	Tip for LX.5/APC bulkhead adapter		◆	LXA	DFS1-01-0009MR

Adapter Tips for AFL's Inspection Products

IMAGE	DESCRIPTION	FOCIS WIFI2, FOCIS FLEX	FOCIS WIFI, DFS1	TIP ID	AFL NO.
	MTP/APC ferrule & bulkhead adapter extended tip kit; includes base and MTP/APC front end tip	◆	◆	MTPA ^{a,b}	DFS1-01-0010MR
	Front end tip for MTP/APC ferrule and bulkhead adapter	◆	◆	MTPA ^a	DFS1-01-0012MR
	Tip for OptiTip® APC ferrule and bulkhead adapter	◆	◆	OTIPA	DFS1-01-0013MR
	Short (~60 mm) extended tip for LC/APC bulkhead adapter	◆	◆	LCA-S	DFS1-01-0014MR
	Front end for angled MPO-16/MTP-16 connector and bulkhead adapter	◆	◆	MTPA16 ^{a,b}	DFS1-01-0015MR

Notes:

- a. MTP extended tip marking includes S/N since these have moving parts.
- b. Base plus tip is required to inspect MPO/MTP connectors. All MPO/MTP connectors are inspected through bulkhead adapter.

Adapter Tips for AFL's Inspection Products

FOCIS Adapter Tips

IMAGE	DESCRIPTION	TIP ID	AFL NO.
FOCIS WIFI2, FOCIS FLEX			
	SC-UPC bulkhead adapter tip	SC	FFLX-01-SC
	FC-UPC bulkhead adapter tip	FC	FFLX-01-FC
	ST-UPC bulkhead adapter tip	ST	FFLX-01-ST
	LC-UPC bulkhead adapter tip	LC	FFLX-01-LC
	Universal 2.5 mm, UPC ferrule adapter tip	U25	FFLX-01-U25
	Universal 1.25 mm, UPC ferrule adapter tip	U125	FFLX-01-U125
	SC-APC bulkhead adapter tip	ASC	FFLX-01-ASC

Adapter Tips for AFL's Inspection Products

FOCIS Adapter Tips

IMAGE	DESCRIPTION	TIP ID	AFL NO.
FOCIS WIFI2, FOCIS FLEX			
	FC-APC bulkhead adapter tip	AFC	FFLX-01-AFC
	LC-APC2 improved bulkhead adapter tip with internal prism	ALC2	FFLX-01-ALC2
	LC PC/UPC adapter tip	LCNGU	FFLX-01-ULCHD
	Universal 2.5 mm, APC ferrule adapter tip	A25	FFLX-01-A25
	Universal 1.25 mm, APC ferrule adapter tip	A125	FFLX-01-A125
	FOCIS Flex adapter extension tube, straight, 46 mm		FFLX-01-EXTS46
	FOCIS Flex adapter extension tube, straight, 80 mm		FFLX-01-EXTS80