Guide on tips and adapters for fiber connector inspection



The largest range of tip adapters in the industry to match any connector, in all settings possible.

PATCHCORD TIPS / BULKHEAD ADAPTERS /
APC AND UPC / SINGLE FIBER / MULTIFIBER





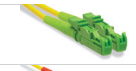
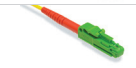
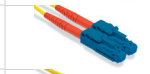
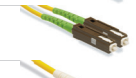
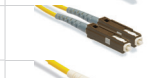
Smarter network in sight™

EXFO

Most common connectors types

Each connector needs the appropriate adapter when it comes to fiber inspection. In order to make it as easy as possible for you to use or order the tip adapter that you need to perform your tests, EXFO has put together this quick reference guide. It includes the full array of tips that are available, their associated connectors and respective ordering information.

Single-fiber connectors

Adapter tips APC					Adapter tips UPC	
Male	Female				Male	Female
FIPT-400-U25MA	FIPT-400-SC-APC		SC Simplex		FIPT-400-U25M	FIPT-400-FC-SC
			SC Duplex			
	FIPT-400-FC-APC		FC Simplex			
	N/A		ST Simplex			FIPT-400-ST
	FIPT-400-E2000-APC		E2000 Simplex			FIPT-400-E2000
			E2000 Duplex			
FIPT-400-U12MA	FIPT-400-LX5-APC		LX-5 Simplex		FIPT-400-U12M	FIPT-400-LX.5
			LX-5 Duplex			
	N/A		MU Simplex			FIPT-400-MU
			MU Duplex			
	FIPT-400-LC-APC		LC Simplex			FIPT-400-LC-SQ
FIPT-400-LC-D-APC			LC Duplex		FIPT-400-LC-D	

MPO connectors

Jumper					Bulkhead	
FIPT-400-MF-MPO *			MPO 12-24 UPC		FIPT-400-MF-MPO *	
FIPT-400-MF-MPO-APC *			MPO 12-24 APC		FIPT-400-MF-MPO-APC *	
FIPT-400-MF-MPO-X *			MPO 16-32 UPC		FIPT-400-MF-MPO-X *	

* Requires FIP-400B MF-Ready version.

Most common connectors types

FTTH connectors

Drop cable				Terminal port	
FIPT-400-U25MA			OptiTap® (OptiSheath® Multiport terminal, in-line tether extender or flexible service terminals)		FIPT-400-OTAP-APC	
FIPT-400-MF-OTIP-MT-APC *			OptiTip® and HMFOC® Up to 12 fibers		FIPT-400-MF-OTIP-MT-APC *	

FTTA connectors

Socket				Plug	
FIPT-400-ODC-S			Outdoor connector (ODC) 2 fibers		FIPT-400-ODC-2PIN-P-K	
			Outdoor connector (ODC) 4 fibers		FIPT-400-ODC-4PIN-P-K	
FIPT-400-MF-QODC-12 *			Outdoor connector Q-ODC-12 UPC		FIPT-400-MF-QODC-12 *	
FIPT-400-MF-QODC-12-APC *			Outdoor connector Q-ODC-12 APC		FIPT-400-MF-QODC-12-APC *	

* Requires the FIP-400B MF-Ready version

Next-gen multifiber connector inspection



What are tips, nozzles and special adapters and what are they used for?

EXFO's next-gen multifiber inspection solution is versatile and leverages the same tip for all multifiber connectors. To adapt to each specific multifiber connector form factor, just swap the nozzle. This versatile design makes it possible to optimize cost of ownership and ease of use. To inspect Bulkhead (female) and Jumper (male) tips, the solution will either rely on a dedicated nozzle (Q-ODC-12®, OptiTip®) or a single Bulkhead (female MPO) nozzle with a specific adapter to inspect Jumper (male MPO).

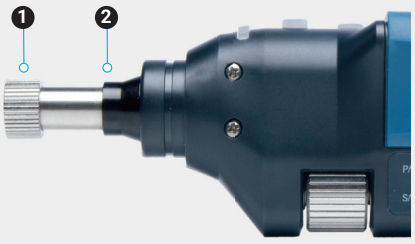


Not needed when dedicated nozzle for male connector is available, see next page.

Is my ConnectorMax probe MF-Ready?

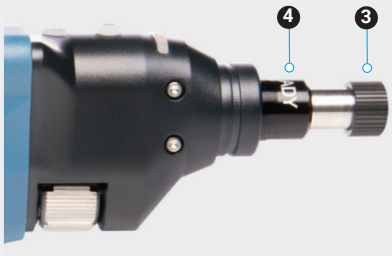
EXFO's next-gen multifiber solution is compatible with FIP-400B MF-Ready versions. To verify if it's MF-Ready, check your FIP-400B for the black retaining nut and the MF-Ready engraving.

FIP-400B NON MF-READY



1. Silver retaining nut
2. No MF-READY engraving

FIP-400B MF-READY



3. Black retaining nut
4. MF-READY engraving

If your FIP-400B is not MF-Ready, contact EXFO at isales@exfo.com for an upgrade.

Q-ODC is a registered trademark of HUBER+SUHNER

OptiTip is a registered trademark of Corning Cable Systems

Ordering information

EXFO offers multiple patchcord tips and bulkhead adapters for both single fibers and multifiber applications. These tips and adapters are built to fit the wide range of fiber connector types and design you may encounter in the field. The following tips and adapters are compatible with both the FIP-400 and FIP-400B Series of ConnectorMaxa probes, and can be ordered separately or in kits. Please refer to the chart below for complete ordering information.

Patchcord tips

Part Number	FIPT-400-U12M	FIPT-400-U12MA	FIPT-400-U16M*	FIPT-400-LC-D	FIPT-400-LC-D-APC	FIPT-400-U20M2
Description	Universal patchcord tip for 1.25 mm ferrules	Universal patchcord tip for 1.25 mm ferrules (APC)	Universal 1.6 mm/PC tip for male connector	Duplex patchcord tip for LC-UPC connectors	Duplex patchcord tip for LC-APC connectors	Universal patchcord tip for 2.0 mm ferrules (D4, Lemo)
						

Part Number	FIPT-400-U25M	FIPT-400-U25M-R	FIPT-400-U25MA	FIPT-400-U25MA-R
Description	Universal patchcord tip for 2.5 mm ferrules	Ultra-rugged universal patchcord tip for 2.5 mm ferrule	Universal patchcord tip for 2.5 mm ferrules (APC)	Ultra-rugged universal patchcord tip for 2.5 mm/APC ferrule
				

Adapters

Part Number	FIPT-400-ADAPTER*	FIPT-400-AD-A6
Description	**Adapter tip** Allows the user to attach any Westover probe tip that does not include optics to EXFO's probe	**60-degree adapter tip** Allows the user to obtain 60-degree angle capabilities on certain standard probe tips that do not include optics
		

* Pass/Fail analysis not supported.

Ordering information

Bulkhead tips

Part Number	FIPT-400-D4	FIPT-400-E2000	FIPT-400-E2000-APC*	FIPT-400-E2000A-A6	FIPT-400-FC-APC	FIPT-400-FC-SC
Description	D4 tip for bulkhead adapter	E-2000 tip for bulkhead adapter	E2000 APC tip for bulkhead adapter	E2000 APC angled tip for bulkhead adapter; 60 degrees	FC/APC tip for bulkhead adapter	FC and SC tip for bulkhead adapter
				coming soon		

Part Number	FIPT-400-FC-SC-A6	FIPT-400-LC-SQ	FIPT-400-LC-A6	FIPT-400-LC-L	FIPT-400-LC-L-137	FIPT-400-LC-APC
Description	FC and SC angled tip for bulkhead adapter; 60 degrees	LC tip for bulkhead adapter	LC angled tip for bulkhead adapter; 60 degrees	Extended LC tip for PC bulkhead adapter	137 mm, extended LC tip for PC bulkhead adapter	LC/APC tip for bulkhead adapter
						

Part Number	FIPT-400-LC-APC-L	FIPT-400-LEMO	FIPT-400-LX.5	FIPT-400-LX5-APC*	FIPT-400-MDC	FIPT-400-MIL-2CPA
Description	LC/APC extended tip for bulkhead connector	Lemo bulkhead adapter	LX.5/PC tip for bulkhead connector	LX.5/APC tip for bulkhead adapter	MDC tip for bulkhead adapter	Tip to inspect Glenair D38999 plug
						

Part Number	FIPT-400-MTRJ*	FIPT-400-MU	FIPT-400-MU-L	FIPT-400-MU-L-149	FIPT-400-SC-APC	FIPT-400-SC-APC-L
Description	MTRJ tip for MTRJ bulkhead	MU tip for bulkhead adapters	Extended MU tip for PC bulkhead adapter	149 mm, extended MU tip for PC bulkhead adapter	SC/APC tip for bulkhead adapter	SC angled extended tip for bulkhead connector
						

Part Number	FIPT-400-SC-L	FIPT-400-SC-L-149	FIPT-400-SMA*	FIPT-400-SMAM*	FIPT-400-ST	FIPT-400-OTAP-APC
Description	Extended SC tip for PC bulkhead adapter	149 mm, extended SC tip for PC bulkhead adapter	SMA tips for bulkhead connector	SMA tip for male connector	ST tip for bulkhead adapter	OptiTap™ bulkhead adapter
						

* Pass/Fail analysis not supported.

Ordering information

Automated multifiber tips, nozzles and adapters *

Part Number	FIPT-400-MF-MPO	FIPT-400-MF-MPO-APC	FIPT-400-MF-MPO-K	FIPT-400-MF-MPO-X	FIPT-400-MF-MPOX-A
Description	Automated tip for MPO/UPC connectors (12-fiber row), one-hand operation. Compatible with single- and dual-row connectors, up to 24 fibers.	Automated tip for MPO/APC connectors (12-fiber row), one-hand operation. Compatible with single- and dual-row connectors, up to 24 fibers.	Automated tip kit for MPO/UPC and MPO/APC connectors (12-fiber row), one-hand operation. Compatible with single- and dual-row connectors, up to 24 fibers.	Automated tip for MPO-16/UPC connectors (16-fiber row), one-hand operation. Compatible with single- and dual-row connectors, up to 32 fibers.	Automated tip for MPO-16/APC connectors (16-fiber row), one-hand operation. Compatible with single- and dual-row connectors, up to 32 fibers.
					

Part Number	FIPT-400-MF-MPOX-K	FIPT-400-NZ-MPO	FIPT-400-NZ-MPOAPC	FIPT-NZ-MPO-X	FIPT-NZ-MPO-X-APC
Description	Automated tip kit for MPO/UPC and MPO/APC connectors (16-fiber row), one-hand operation. Compatible with single and dual-row connectors, up to 32 fibers.	MPO/UPC replaceable nozzle for FIPT-400-MF automated tip for 12-fiber row connectors. Compatible with single- and dual-row connectors, up to 24 fibers.	MPO/APC replaceable nozzle for FIPT-400-MF automated tip for 12-fiber row connectors. Compatible with single- and dual-row connectors, up to 24 fibers.	MPO/UPC replaceable nozzle for FIPT-400-MF automated tip for 16-fiber row connectors. Compatible with single- and dual-row connectors, up to 32 fibers.	MPO/APC replaceable nozzle for FIPT-400-MF automated tip for 16-fiber row connectors. Compatible with single and dual-row connectors, up to 32 fibers
					

Part Number	FIPT-MPO-BLK	FIPT-MPO-X-BLK	FIPT-400-MF-QODC12	FIPT400MFQODC12APC	FIPT-400-NZ-QODC12
Description	Specialized bulkhead adapter for patchcord inspection for 12-fiber row connectors. Compatible with single- and dual-row connectors, up to 24 fibers.	Specialized bulkhead adapter for patchcord inspection for 16-fiber row connectors. Compatible with single- and dual-row connectors, up to 32 fibers.	Automated tip for QODC-12/UPC connectors (12 fibers); one hand operation. Compatible with plug and socket connectors.	FIPT-400-MF automated tip for QODC-12/APC connectors (12 fibers); one hand operation. Compatible with plug and socket connectors.	QODC-12/UPC replaceable nozzle for FIPT-400-MF automated tip for 12-fiber row connectors. Include nozzles for plug and socket connectors.
					

Part Number	FIPT400NZQODC12APC	FIPT400MF-OTIP-APC	FIPT400-NZ-OTIPAPC	FIPT-400-MF-MT	FIPT-400-MF-MT-APC
Description	QODC-12/APC replaceable nozzle for FIPT-400-MF automated tip for 12-fiber row connectors. Include nozzles for plug and socket connectors.	Automated tip for Optitip-MT®/APC and HMFOC®/APC connectors (12-24 fibers), one hand operation. Compatible with single and dual-row connectors, up to 24 fibers. Compatible with male and female connectors.	Optitip MT/APC and HMFOC®/APC replaceable nozzle for FIPT-400-MF automated tip, includes two nozzles for male and female connectors.	Automated multifiber tip for MT/UPC patchcord connectors (12&16-fiber row), one-hand operation. Compatible with single- and dual-row connectors.	Automated multifiber tip for MT/APC patchcord connectors (12&16-fiber row), one-hand operation. Compatible with single- and dual-row connectors.
					

Part Number	FIPT-400-MF-MT-K	FIPT-400-NZ-MT	FIPT-400-NZ-MT-APC
Description	Automated multifiber tip for MT/UPC and MT/APC patchcord connectors (12&16-fiber row), one-hand operation. Compatible with single- and dual-row connectors.	MT/UPC replaceable nozzle for FIPT-400-MF automated tip for MT/UPC patchcord connectors (12&16-fiber row). Compatible with single and dual-row connectors.	MT/APC replaceable nozzle for FIPT-400-MF automated tip for MT/APC patchcord connectors (12&16-fiber row). Compatible with single and dual-row connectors.
			

* Requires the FIP-400B MF-Ready version

Ordering information

ODC 2 & 4 fibers tips and guides

Part Number	FIPT-400-ODC-U	FIPT-400-ODC-2PIN-P	FIPT-400-ODC-4PIN-P	FIPT-400-ODC-S
Description	ODC universal guided tip (to be used with a plug guide)	ODC 2 pin plug (female) guide tip	ODC 4 pin plug (female) guide tip	ODC socket (male) tip
				

Q-ODC duplex tips and guides

Part Number	FIPT-400-QODC-2P	FIPT-400-QODC-2P-P	FIPT-400-QODC-2P-S
Description	QODC universal guided tip (to be used with a guide tip)	QODC 2 pin plug (female) guide tip	QODC 2 pin socket (male) guide tip
			

Manual MPO tips (with scanning knobs), nozzle and adapters

Part Number	FIPT-400-MTP-MTR *	FIPT-400-MTP-MTRA	FIPT-400-MTP-MTR-K	FIPT-400-MTPA-TIP	FIPT-400-MTP2-TIP
Description	MTP-MPO/UPC multirow tip for bulkhead adapter	MTP/MPO multirow APC tip for bulkhead adapter: includes a bulkhead adapter for patchcord inspection	MTP-MPO/APC and UPC multirow tip for bulkhead adapter	MTP-MPO/APC replaceable nozzle for single or multirow adapter	MTP/MPO multirow APC tip for bulkhead adapter: includes a bulkhead adapter for patchcord inspection
					

Part Number	FIPT-400-MTP-BLK
Description	Bulkhead adapter for MPO patchcord inspection
	

* Pass/Fail analysis not supported on ConnectorMax Mobile for smart devices

Ordering information

Tip adapter kits

Part Number	FIPT-400-LC-K	FIPT-400-LC-K-APC	FIPT-400-LC-K-UPC	FIPT-400-SCA-K	FIPT-400ODC4PINP-K	FIPT400ODC2-4PINPK
Description	LC tip kit including: › FIPT-400-LC: LC tip for bulkhead adapters › FIPT-400-LC-APC: LC/APC tip for bulkhead adapter › FIPT-400-U12M: universal patchcord tip for 1.25 mm ferrules › FIPT-400-U12MA: universal patchcord tip for 1.25 mm ferrules (APC)	LC tip kit including: › FIPT-400-LC-APC: LC/APC tip for bulkhead adapter › FIPT-400-U12MA: Universal patchcord tip for 1.25 mm ferrules (APC)	LC tip kit including: › FIPT-400-LC: LC tip for bulkhead adapters › FIPT-400-U12M: universal patchcord tip for 1.25 mm ferrules	2,5 mm APC tip kit including: › FIPT-400-U25MA › FIPT-400-SC-APC	ODC 4 pin plug (female) guide and universal tip Kit includes: › FIPT-400-ODC-U › FIPT-400-ODC-4PIN-P	ODC 2 and 4 pin plug (female) guides and universal tip Kit includes: › FIPT-400-ODC-U › FIPT-400-ODC-2PIN-P › FIPT-400-ODC-4PIN-P
						

Part Number	FIPT-400ODC2PINP-K	FIPT-400-QODC-2PK
Description	ODC 2 pin plug (female) guide and universal tip Kit includes: › FIPT-400-ODC-U › FIPT-400-ODC-2PIN-P	QODC 2 pin plug (female) and socket (male) guide & universal guided tip Kit includes: › FIPT-400-QODC-2P › FIPT-400-QODC-2P-P › FIPT-400-QODC-2P-S
		

Accessories

Part Number	GP-3108	FIPT-BOX	FIPT-BOX-MF
Description	Compartmented soft pouch › (1) one FIP-400B inspection probe › Tips and accessories	Compartmented plastic case for tips › short reach tips (e.g., FIPT-400-U20M) and long reach tips (e.g., FIPT-400-LC-L)	Compartmented plastic case for tips MF › FIPT-400-MF-XX automated multifiber tip
			

For more information on automated fiber inspection, visit **www.EXFO.com/KeepTheFocus**



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