

# Tip Adapter Guide

For the ConnectorMax Fiber Inspection Probe



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






























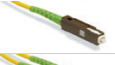












Smarter  
network  
in sight.

**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-FC-SC	
			SC Duplex			
	 FIPT-400-FC-APC		FC Simplex			
	N/A		ST Simplex		 FIPT-400-U25M	 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-LX.5	
			LX-5 Duplex			
	N/A		MU Simplex		 FIPT-400-U12M	 FIPT-400-MU
			MU Duplex			
 FIPT-400-LC-D-APC	 FIPT-400-LC-APC		LC Simplex	 FIPT-400-LC-D	 FIPT-400-LC-SQ	
			LC Duplex			









## MPO connectors

Jumper				Bulkhead	
 FIPT-400-MF-MPO-X *		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

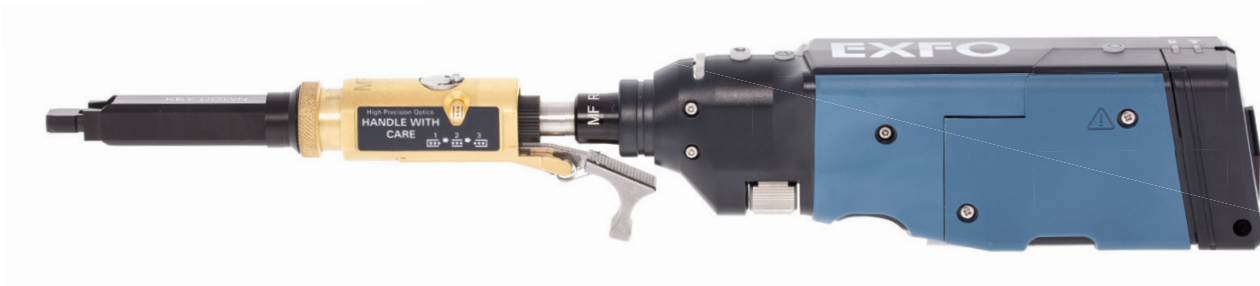
Drop cable				Terminal port		
FIPT-400-U25MA			OptiTap® (OptiSheath® Multiport terminal, in-line tether extender or flexible service terminals)		FIPT-400-OTAP-APC	
FIPT-400-MF-OTIP-MT-APC *			OptiTip® and HMFOC® Up to 12 fibers		FIPT-400-MF-OTIP-MT-APC *	

## 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 *	

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# Next-gen multifiber connector inspection



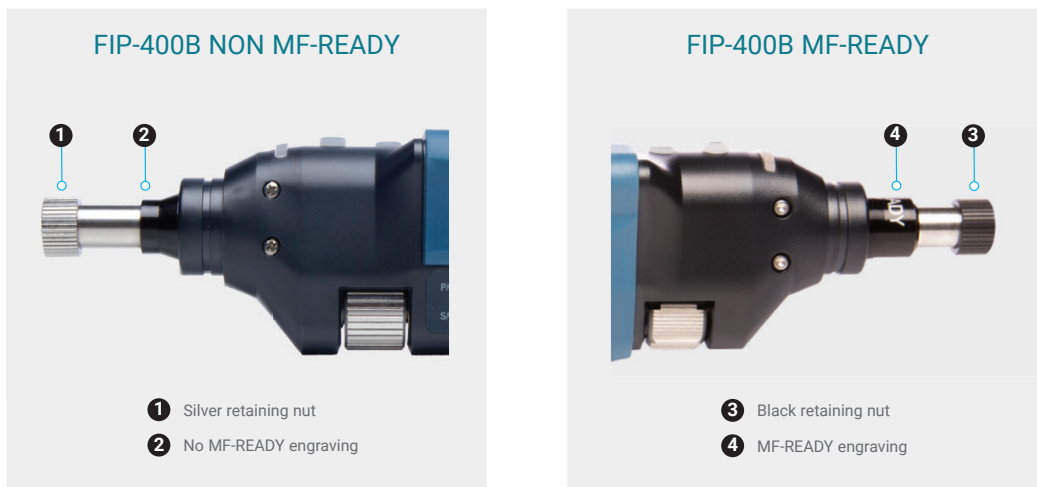
## What are tips, nozzles and special adapters and what are they used for?

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).



## 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.









If your FIP-400B is not MF-Ready, contact EXFO at [isales@exfo.com](mailto: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-MIL-2CPA
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	Tip to inspect Glenair D38999 plug
						

Part Number	FIPT-400-U20M2	FIPT-400-U25M	FIPT-400-U25M-R	FIPT-400-U25MA	FIPT-400-U25MA-R
Description	Universal patchcord tip for 2.0 mm ferrules (D4, Lemo)	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	<p><b>Adapter tip</b> Allows the user to attach any Westover probe tip that does not include optics to EXFO's probe</p> 	<p><b>60-degree adapter tip</b> Allows the user to obtain 60-degree angle capabilities on certain standard probe tips that do not include optics</p> 

\* Pass/Fail analysis not supported.



# Ordering information

## Bulkhead Adapters

<b>Part Number</b>	<b>FIPT-400-D4</b>	<b>FIPT-400-E2000</b>	<b>FIPT-400-E2000-APC*</b>	<b>FIPT-400-FC-APC</b>	<b>FIPT-400-FC-SC</b>	<b>FIPT-400-FC-SC-A6</b>
<b>Description</b>	D4 tip for bulkhead adapter	E-2000 tip for bulkhead adapter	E2000 APC tip for bulkhead adapter	FC/APC tip for bulkhead adapter	FC and SC tip for bulkhead adapter	FC and SC angled tip for bulkhead adapter; 60 degrees
						
<b>Part Number</b>	<b>FIPT-400-LC-SQ</b>	<b>FIPT-400-LC-A6</b>	<b>FIPT-400-LC-APC</b>	<b>FIPT-400-LC-L</b>	<b>FIPT-400-LC-L-137</b>	<b>FIPT-400-LEMO</b>
<b>Description</b>	LC tip for bulkhead adapter	LC angled tip for bulkhead adapter; 60 degrees	LC/APC tip for bulkhead adapter	Extended LC tip for PC bulkhead adapter	137 mm, extended LC tip for PC bulkhead adapter	Lemo bulkhead adapter
						
<b>Part Number</b>	<b>FIPT-400-LX.5</b>	<b>FIPT-400-LX5-APC*</b>	<b>FIPT-400-MTRJ*</b>	<b>FIPT-400-MU</b>	<b>FIPT-400-MU-L</b>	<b>FIPT-400-MU-L-149</b>
<b>Description</b>	LX.5/PC tip for bulkhead connector	LX.5/APC tip for bulkhead adapter	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
						
<b>Part Number</b>	<b>FIPT-400-SC-APC</b>	<b>FIPT-400-SC-APC-L</b>	<b>FIPT-400-SC-L</b>	<b>FIPT-400-SC-L-149</b>	<b>FIPT-400-LC-APC-L</b>	<b>FIPT-400-SMA*</b>
<b>Description</b>	SC/APC tip for bulkhead adapter	SC angled extended tip for bulkhead connector	Extended SC tip for PC bulkhead adapter	149 mm, extended SC tip for PC bulkhead adapter	LC/APC extended tip for bulkhead connector	SMA tips for bulkhead connector
						
<b>Part Number</b>	<b>FIPT-400-SMAM*</b>	<b>FIPT-400-ST</b>	<b>FIPT-400-OTAP-APC</b>			
<b>Description</b>	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 \*

<b>Part Number</b>	<b>FIPT-400-MF-MPO</b>	<b>FIPT-400-MF-MPO-APC</b>	<b>FIPT-400-MF-MPO-K</b>	<b>FIPT-400-MF-MPO-X</b>	<b>FIPT-400-NZ-MPO</b>
<b>Description</b>	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.	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.
					
<b>Part Number</b>	<b>FIPT-400-NZ-MPO-APC</b>	<b>FIPT-NZ-MPO-X</b>	<b>FIPT-MPO-BLK</b>	<b>FIPT-400-X-BLK</b>	<b>FIPT-400-MF-QODC-12</b>
<b>Description</b>	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.	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.
					
<b>Part Number</b>	<b>FIPT-400-MF-QODC-12-APC</b>	<b>FIPT-400-NZ-QODC-12</b>	<b>FIPT-400-NZ-QODC-12-APC</b>	<b>FIPT-400-MF-OTIP-APC</b>	<b>FIPT-400-NZ-OTIP-APC</b>
<b>Description</b>	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.	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.
					
<b>Part Number</b>	<b>FIPT-400-MF-MT</b>	<b>FIPT-400-MF-MT-APC</b>	<b>FIPT-400-MF-MT-K</b>	<b>FIPT-400-NZ-MT</b>	<b>FIPT-400-NZ-MT-APC</b>
<b>Description</b>	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.	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
				

## 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.



# 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-400-ODC-4PIN-P-K	FIPT-400-ODC-2&4PIN-P-K
Description	<p>LC tip kit including:</p> <ul style="list-style-type: none"> <li>› FIPT-400-LC: LC tip for bulkhead adapters</li> <li>› FIPT-400-LC-APC: LC/APC tip for bulkhead adapter</li> <li>› FIPT-400-U12M: universal patchcord tip for 1.25 mm ferrules</li> <li>› FIPT-400-U12MA: universal patchcord tip for 1.25 mm ferrules (APC)</li> </ul>	<p>LC tip kit including:</p> <ul style="list-style-type: none"> <li>› FIPT-400-LC-APC: LC/APC tip for bulkhead adapter</li> <li>› FIPT-400-U12MA: Universal patchcord tip for 1.25 mm ferrules (APC)</li> </ul>	<p>LC tip kit including:</p> <ul style="list-style-type: none"> <li>› FIPT-400-LC: LC tip for bulkhead adapters</li> <li>› FIPT-400-U12M: universal patchcord tip for 1.25 mm ferrules</li> </ul>	<p>2,5 mm APC tip kit including:</p> <ul style="list-style-type: none"> <li>› FIPT-400-U25MA</li> <li>› FIPT-400-SC-APC</li> </ul>	<p>ODC 4 pin plug (female) guide and universal tip</p>	<p>ODC 2 and 4 pin plug (female) guides and universal tip</p>
						

Part Number	FIPT-400-ODC-2 PIN-P-K
Description	<p>ODC 2 pin plug (female) guide and universal tip</p>
	

For more information on automated fiber inspection,  
visit [www.EXFO.com/KeepTheFocus](http://www.EXFO.com/KeepTheFocus)

