For complete installation instructions and videos, visit www.AFLglobal.com/Apex or use the QR code.
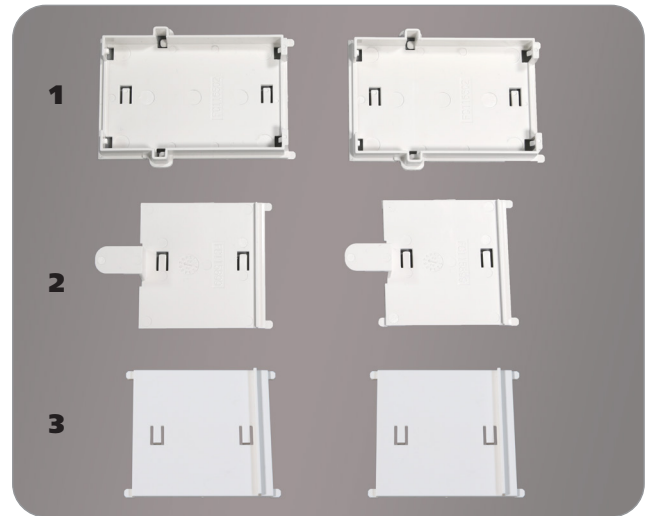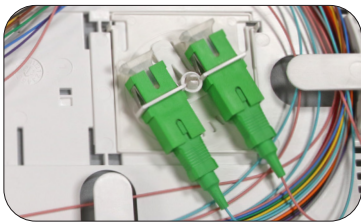
WDM CLIP SYSTEM FOR APEX® SPLICE TRAY

AFL's optical cassette holders provide secure, physical attachment of xWDM modules into Apex splice trays. The holders utilize the same snap in technology as current splice holders and are easily installed into an available Apex splice tray splice holder location. Multiple sizes are available to accommodate AFL xWDM modules from 4-48 channels. Cassette holders can be supplied separately in sets of six (6) each for field installation or included as part of factory assembled integrated xWDM module Apex splice trays. Fibers exiting the splice tray are secured with foam and tie wraps or Advanced Fiber Retention System (AFRS) clips.

Each individual kit may include:

1. 04-08 channel filter holder (2 pieces shown)
2. 10-20 channel filter holder (2 pieces shown)
3. 24-48 channel filter holder for X-2 only (2 pieces shown)

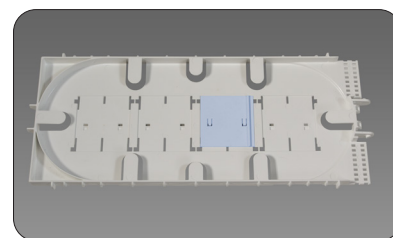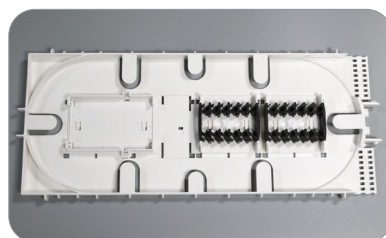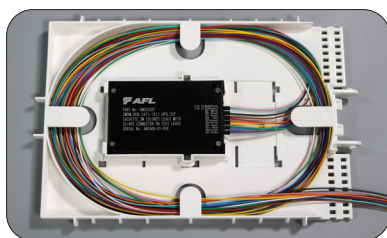An optional Apex adapter kit is also available (ordered separately).

Kit Contents

Ordering Information

DESCRIPTION	AFL NO.
Apex WDM Kit for use in X-2 and X-2S, 6 Pieces, Holder Tray-Filter (04-08 CH, 45 x 70 x 8.5 mm)	AX-TRAY-WDM1-6
Apex WDM Kit for X-2 only, 6 Pieces, Holder Tray-Filter (10-20 CH, 75 x 85 x 8.5 mm)	AX-TRAY-WDM2-6
Apex WDM Kit for X-2 only, 6 Pieces, Holder Tray-Filter (24-48 CH, 187 x 89 x 8.5 mm)	AX-TRAY-WDM3-6
Apex Tray Kit with Plate SC/APC Adapter, 1 kit	AX-TRAY-ASC
Apex Tray Kit with Plate SC/UPC Adapter, 1 kit	AX-TRAY-USC
Apex Tray Kit with Plate SC/APC Adapter, 6-piece kit	AX-TRAY-ASC-6
Apex Tray Kit with Plate SC/UPC Adapter, 6-piece kit	AX-TRAY-USC-6

The 04-08 channel filter holder is applicable for both Apex X-2 and X-2S splice trays. The 10-20 channel and the 24-48 channel filter holders are only used in the Apex X-2 splice tray (as shown on the following pages). The splice modules or adapter holders may be used in any open space in the splice tray after the WDM filter has been installed.
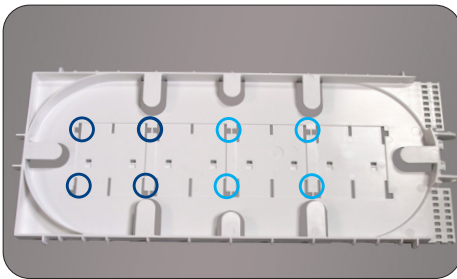
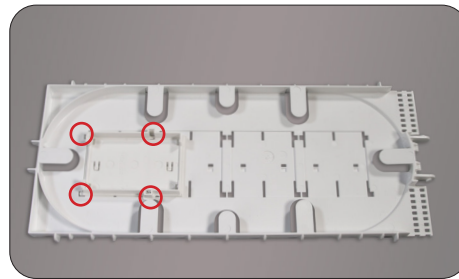# INSTALLING 04-08 CHANNEL WDM FILTER INTO MUX CLIP

The AFL 04-08 WDM device can be installed in either orientation based on the needs of the splice tray. But the Apex Filter Holder can only be installed in one direction in the tray (**Figure 1**).
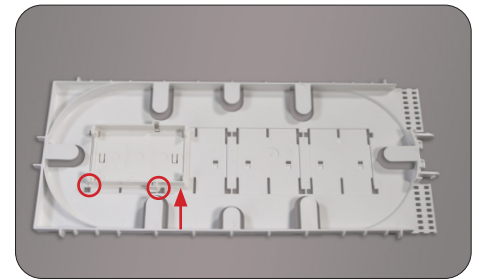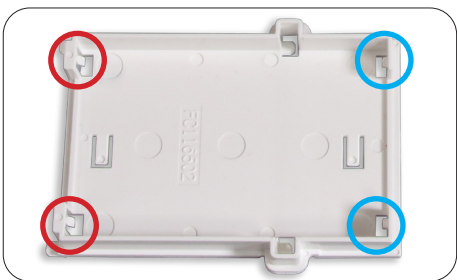

Figure 1

1: There are two positions on the splice tray to insert the filter holder. Each position has four slots where the tabs on the filter holder will be inserted.
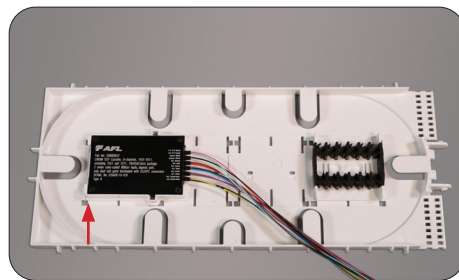
2: Place filter holder in splice tray. Make sure the tabs are in the appropriate slots.
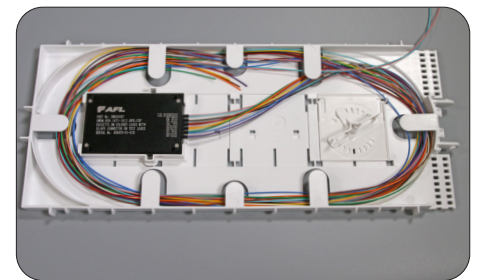
3: Press down on holder and slide up to secure into place. Ensure all four (4) tabs are in place (**Figure 1**).

4: The filter can be installed in either direction depending on the needs of the installation. First, place filter in the reference tabs shown in blue.
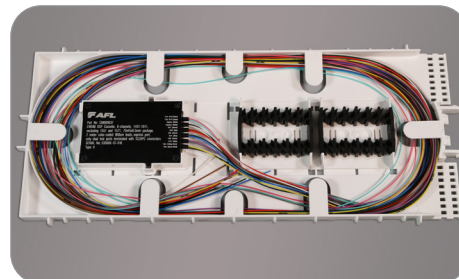
5: Press the filter down until it is flat in the holder and locking tabs are engaged.

6: Carefully route fibers from filter to prevent pinching or sharp bends.

7: To remove filter, insert a thin flat object between the white holder and the filter at arrows. Press locking tab away from the filter. Lift up on filter to remove. Repeat for second locking tab.

8: Open slots can be used for splice module or adapter module.

INSTALLING 10-20 WDM FILTER INTO MUX CLIP

The AFL 10-20 Channel WDM device can be only be installed in position 2 of X-2 splice tray. But the Apex Filter Holder or Adapter Module can only be installed in position 4 in the tray (**Figure 11**).
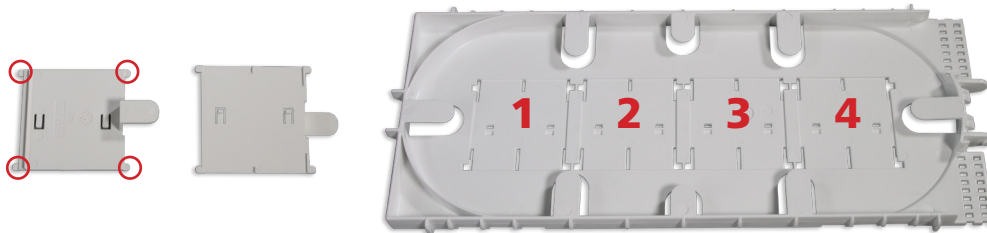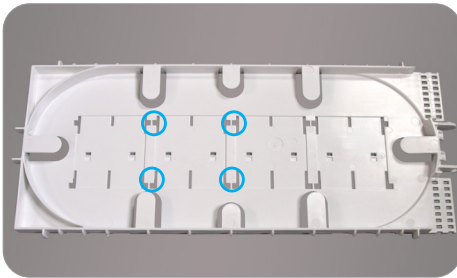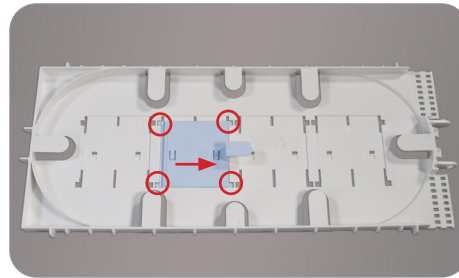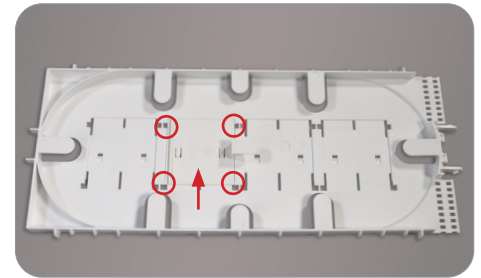
Figure 11–fiber guides (front and back view) and splice tray

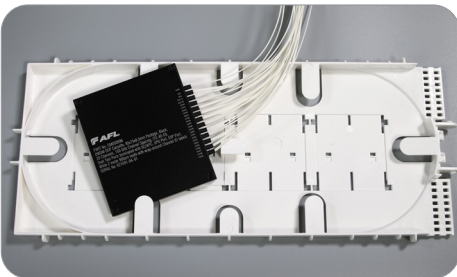**1:** The filter holder can only be installed in position 2 in the tray. Each position has four slots where the tabs on the filter holder will be inserted.
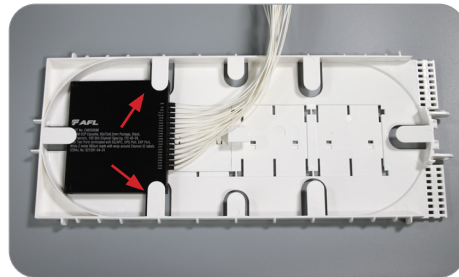
2: Place filter holder in splice tray. Make sure the tabs are in the appropriate slots. (Filter holder highlighted to show detail.)
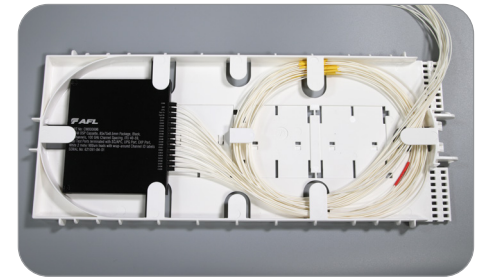
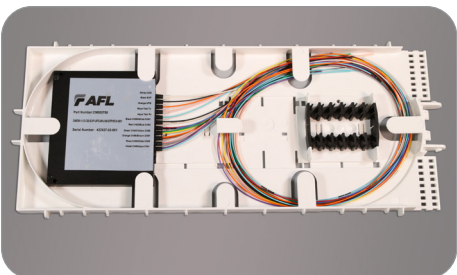**3:** Press down on holder and slide up to secure into place. Ensure all four (4) tabs are in place.

4: Slide filter under side tabs. Be careful not to damage fiber.

5: Slide filter under tab and engage against the filter holder ridge as shown above.

6: Carefully route fibers from filter around the tray to prevent pinching or sharp bends. Or fibers can be routed to a splice chip or to exit the splice tray.
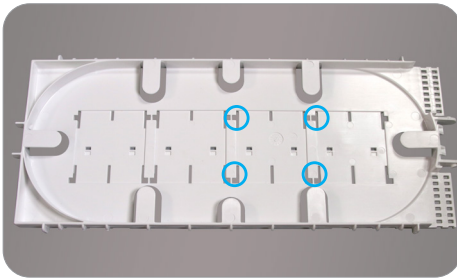
9: Position 4 can be used for splice module or adapter module as shown.

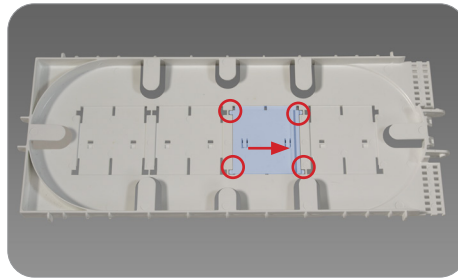## INSTALLING 24-48 CHANNEL WDM FILTER INTO MUX CLIP

The AFL 24-48 Channel Filter Adapter can be only be used on Apex X-2 splice trays. The Tray Adapter Clip must be installed in position 3 in the tray with the ridge edge pointed toward the hinge of the tray (**Figure 12**).
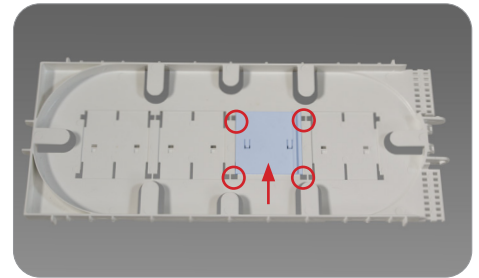

Figure 12–fiber guides and splice tray

1: The tray adapter clip can only be installed in position 3 in the tray. Each position has four slots where the tabs on the filter holder will be inserted.
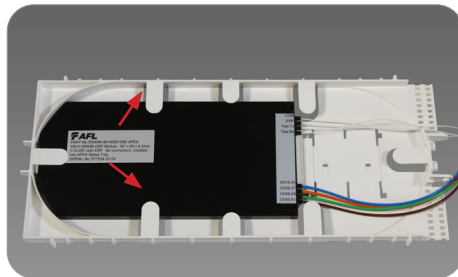

2: Place tray adapter clip in splice tray with the ridge edge toward the hinge end of the tray. Make sure the tabs are in the appropriate slots. (Filter adapter clip highlighted to show detail.)
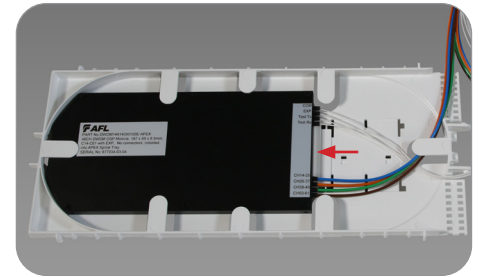

3: Press down and slide filter tray adapter until tabs are engaged and filter tray adapter is secure in tray. Ensure all four (4) tabs are in place.
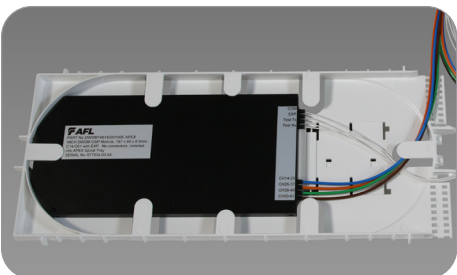

4: Slide WDM filter over the tray adapter clip ridge with the exiting fiber pointed toward the hinge of the splice tray.

5: Continue to slide the WDM filter under splice tray retention tabs until the WDM filter stops at the top of the splice tray as shown above.

6: The filter should be engaged against the filter holder ridge (red arrow) and secure in the tray.

9: Installation of WDM filter is complete.