



## Splice Tray

### Splice up to 12 strands of single- or multimode fiber.

The splice tray mounts inside wallmount fiber enclosures.



#### Customer Support Information

Order toll-free in the U.S.: Call 877-877-BBOX (outside U.S. call 724-746-5500)  
FREE technical support 24 hours a day, 7 days a week: Call 724-746-5500 or fax  
724-746-0746 • Mailing address: Black Box Corporation, 1000 Park Drive, Lawrence,  
PA 15055-1018 • Web site: [www.blackbox.com](http://www.blackbox.com) • E-mail: [info@blackbox.com](mailto:info@blackbox.com)

# Splice Tray

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## 1. Specifications

**Size** — 5.5"H x 4.9"W x 0.4"D (14 x 12.5 x 1.1 cm)

**Weight** — 0.6 lb. (0.3 kg)

## 2. Overview

The Splice Tray can splice up to 12 strands of single-mode or multimode fiber. It's used with all the Wallmount Fiber Cabinets and the Rackmount Fiber Cabinets available from Black Box. This smaller splice tray (JPM441A) has an additional two sets of holes to install in enclosures that support the larger splice tray (JPM440A) (see Figure 1).

## 3. What's Included

Your package should include the following items. If anything is missing or damaged, contact Black Box at 724-746-5500 or [info@blackbox.com](mailto:info@blackbox.com).

- (1) top metal splice cover
- (1) bottom metal splice cover
- (12) metal sleeves for single-mode splicing
- (2) single-mode plastic covers and bases (already installed in the bottom splice cover)
- (2) multimode plastic bases
- (12) 3" (7.6-cm) cable ties
- (2) yellow stickers attached to the single-mode plastic bases

## 4. Installation

Use the splice tray with single-mode or multimode fiber cable. Follow the instructions below.

### **SINGLE-MODE SPLICING**

1. Remove the top metal splice tray cover and install the bottom metal splice cover in the wallmount or rackmount fiber cabinet.
2. Remove the single-mode plastic covers on each of the two single-mode plastic bases already installed in the bottom metal splice cover.
3. Remove the yellow sticker from one of the single-mode plastic bases.
4. Install a metal sleeve and slide the single-mode fiber through it that you plan to splice. (For single-mode fiber, you'll use fusion splicing.)
5. Prepare and splice the fiber.

6. After splicing is complete, snap the spliced fiber sleeve in one of the six compartment areas in the plastic base.
7. Repeat until all 6 compartments are filled.
8. Re-install the original plastic cover.
9. Repeat steps 2 through 8 for the other single-mode plastic base as required by your application.
10. When all single-mode plastic bases are loaded with fiber, use the cable ties to secure the cable. Then re-install the top metal splice tray cover and tighten the wing nuts (included with the cabinet).

### MULTIMODE SPLICING

1. Remove the top metal splice tray cover and install the bottom metal splice cover in the wallmount or rackmount fiber cabinet.
2. Remove the single-mode plastic covers on each of the two single-mode plastic bases already installed.
3. Remove the larger single-mode plastic bases and install the smaller multimode plastic bases in the bottom metal splice cover. (The multimode plastic base supports the Non-Adhesive Mechanical Splice, Black Box part number FO030.)
4. Splice the multimode fiber. (For multimode fiber, you'll use mechanical splicing.)
5. After the mechanical splice is done, install the mechanical splice in one of the 6 compartments in the multimode plastic base.
6. Repeat until all 6 compartments are filled.
7. Re-install the original plastic cover.
8. When all multimode plastic bases are loaded with fiber, use the cable ties to secure the cable. Then re-install the top metal splice cover and tighten the wing nuts (included with the cabinet) to secure the cable.

*NOTE: The JPM441A fiber splice tray has two sets of holes: The two center holes enable the JPM441A to be installed in enclosures that support the JPM441A splice tray. However, the JPM441A also has two outer holes that have the same measurements as the larger splice tray (JPM440A), so the JPM441A can also be used in enclosures that previously only would work with the larger splice tray (JPM440A).*

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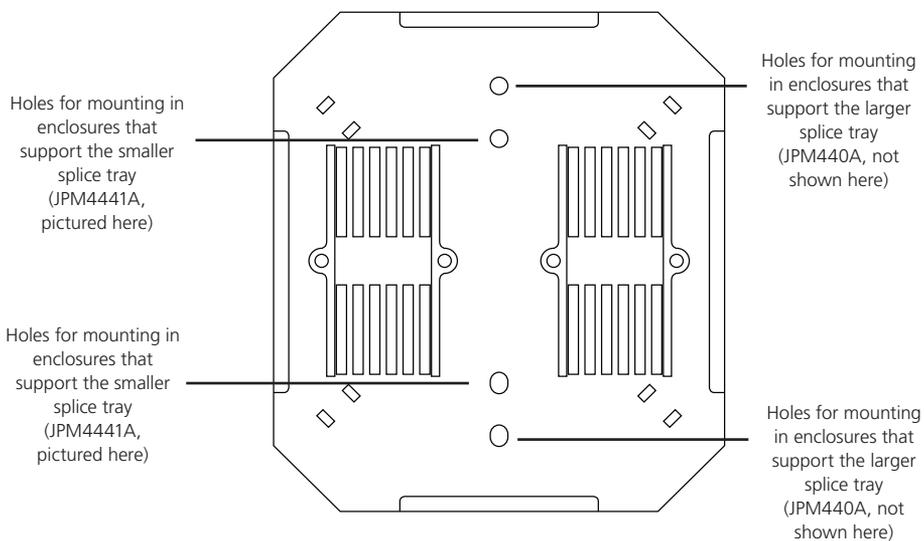


Figure 1. JPM441A Splice Tray.

## About Black Box

Black Box provides an extensive range of networking and infrastructure products. You'll find everything from cabinets and racks and power and surge protection products to media converters and Ethernet switches all supported by free, live 24/7 Tech Support available in 30 seconds or less.

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