COMMSCOPE® Instruction Sheet

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Stackable Splice Tray Kit

General

The stackable splice tray's L x W x H is 220mm x 102mm x 10.2mm and its capacity is as below:

Cable type	Store capacity	Splice capacity	SMOUV holder type	SMOUV layer
0.25mm single fiber	48F	48F	SMOUV 1120-1 or SMOUV 1120-2	Single layer for (≤24F)
0.9mm single cable	48F	48F		Dual layer for (>24F)

The transparent plastic top cover is snapped on to protect the routed fiber and splices while providing optimum visibility for inspection. Multiple trays could be snapped and stacked directly. Hinged design is also for easily operation and maintenance.

This product can be used indoor or outdoor in a suitable protective enclosure.

Note: Sample product image is shown as Figure 1.

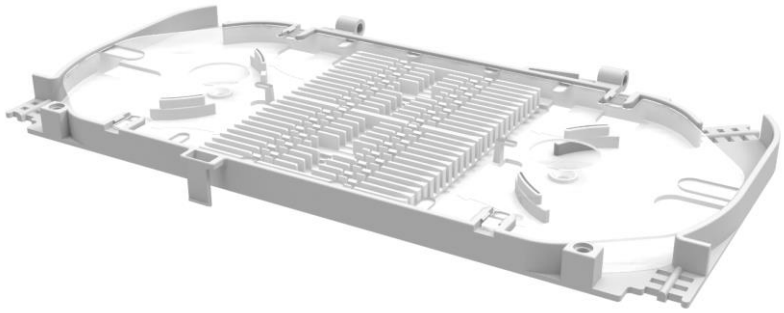


Figure 1

How to Contact Us

- To find out more about **CommScope**® products, visit us on the web at www.commscope.com/
- For technical assistance:
  - Within the United States, contact your local account representative or technical support at 1-800-344-0223. Outside the United States, contact your local account representative or **PartnerPRO**™ Network Partner.
  - Within the United States, report any missing/damaged parts or any other issues to **CommScope** Customer Claims at 1-866-539-2795 or email to claims@commscope.com. Outside the United States, contact your local account representative or **PartnerPRO** Network Partner.

Tools Required

- Cable Stripper and cutters
- Fusion splice machine and related tools

For RoHS Inquiries:
CommScope Inc.
Corke Abbey, Bray
Co. Dublin, Ireland
Attn: Legal Department

Parts Image and List for 48F 0.9mm single cables splicing application used in 760241725 1U FIBER OPTIC PANEL as an example as Figure 2.

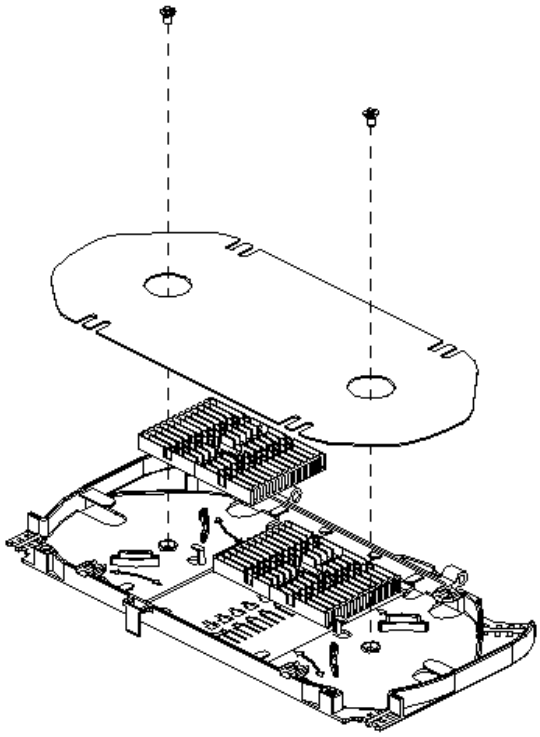


Figure 2

Verify parts against parts list below:

Quantity	Description	
1pc	FOSC550A IL TRAY	
1pc	FOSC550A IL TRAY LID	
2pcs	SMOUV HOLDER	
48pcs	SMOUV-1120-01	(Not shown in Figure 2)
4pcs	TRAY TABS CH	(Not shown in Figure 2)
2pcs	E7000-SW-M3X6-GB819	(Not shown in Figure 2)
0.2m	FOAM-STRIP-EPDM-ZK-15X1	(Not shown in Figure 2)
0.2m	SPIRAL TUBE	(Not shown in Figure 2)
8pcs	NYLON TIE WRAP 142MM	(Not shown in Figure 2)

WARNING – Important Safety Instructions

Always wear eye protection when working with optical fibers. Never look into the end of terminated or unterminated fibers. Laser radiation is invisible but can damage eye tissue. Never eat, drink, or smoke when working with fibers. This could lead to ingestion of glass particles

Step 1 – Prepare tray kits for splicing

1. Remove the cover from the tray kit, also remove the film if there's film on the cover as shown Figure 3.

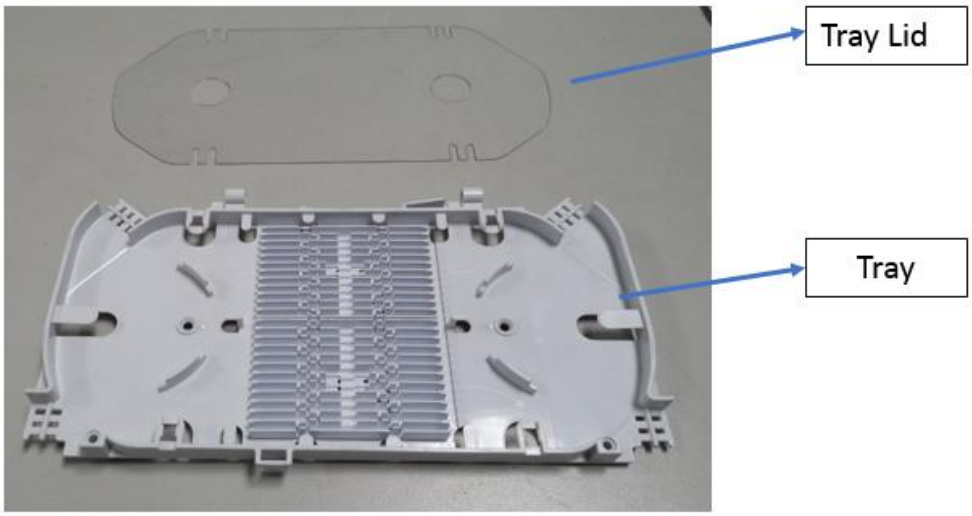
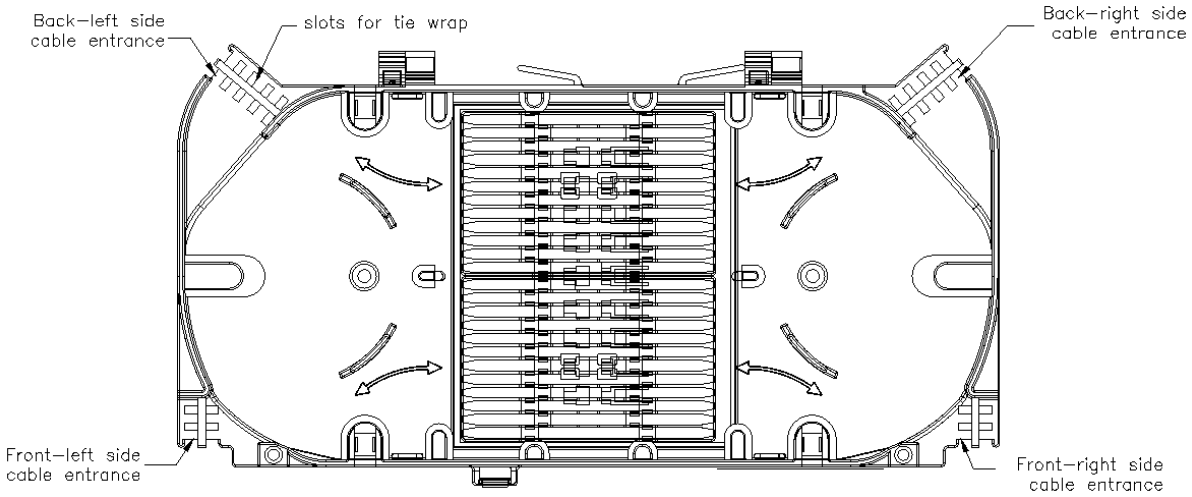


Figure 3

2. It is recommended to use same side tray cable entrances for the pigtails entry, the other side for incoming cables. For example, for the pigtails, we could use the back side two cable entrances, the back-left side for 24F 0.9mm single cables, back-right side for another 24F. For the incoming cables, use the front side cable entrance, the front-right side for 48F cables if they are from the left side opening of shelf, otherwise use the front-left side, as Figure 4.

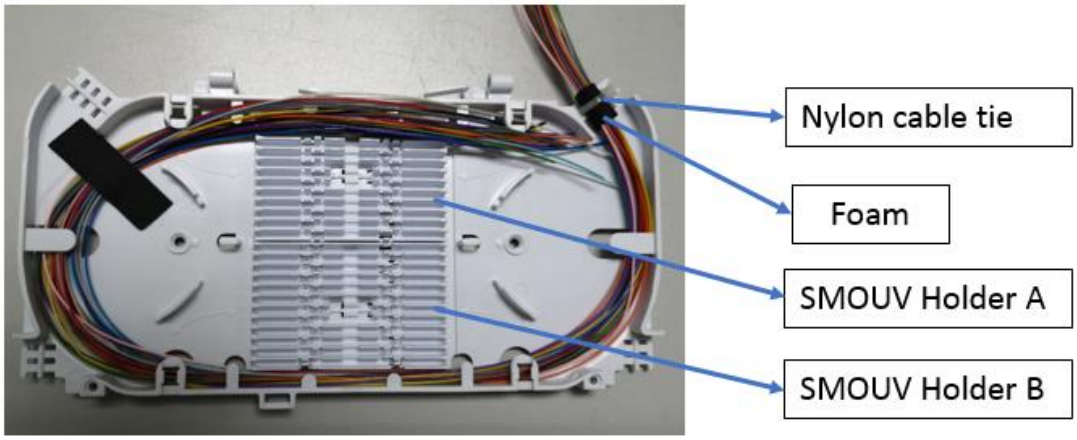


Figue 4

Step 2 – Prepare the pigtails with LC/SC connectors for splicing

1. Be sure sufficient slack exists for pigtails inside the shelf when the splicing tray used.
2. Twine foam around 24F pigtails after reserving approximately 500mm length of cables for splicing. Choose the back-right side tray cable entrance for cable entry.
3. Using the provided nylon tie wrap, loop it through the slot in the tray and around foam. Tighten cable tie for fixture. Make sure the head of the cable tie is on the bottom side of the foam, as Figure 5.
4. Route fibers in the tray, use foam to hold it temporary if needed as Figure 5. While splicing, first batch

12F as the first layer, second batch 12F as the second layer put in the SMOUV holder A.



Figue 5

5. Twine foam around another 24F pigtails after reserving approximately 250mm length of cables for splicing. Choose the back-left side tray cable entrance for cable entry.
6. Using the provided nylon tie wrap, loop it through the slot in the tray and around foam. Tighten cable tie for fixture. Make sure the head of the cable tie is on the bottom side of the foam, as Figure 6.
7. Route fibers in the tray and use foam to hold it temporary if needed as Figure 6. While splicing, first batch 12F as the first layer, second batch 12F as the second layer put in SMOUV holder B.

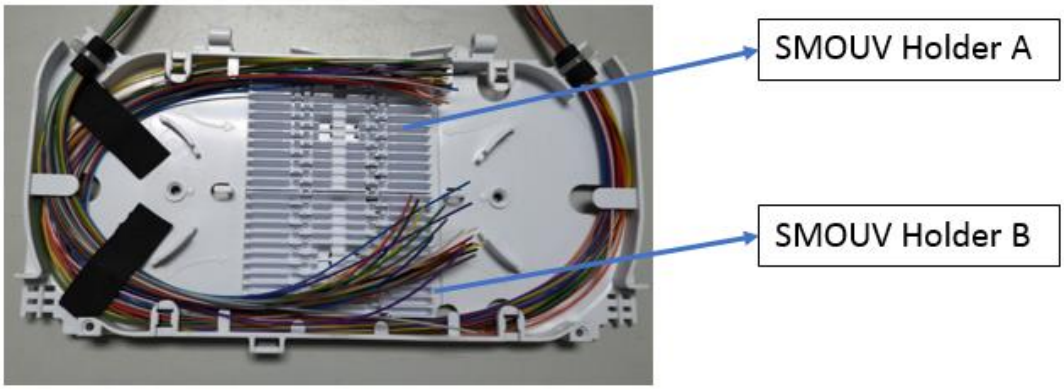


Figure 6

Step 3 – Prepare Incoming Cable for Splicing

1. Be sure sufficient slack exists for 900μm incoming cables inside the shelf when the splicing tray used.
2. Twine foam around 48F single cables after reserving approximately 250mm length of cables for splicing. Choose the back-right side tray cable entrance for cable entry, assumed the cable is from the left side opening of the shelf as Figure 7; otherwise, choose the back-left side tray cable entrance.
3. Using the provided nylon tie wrap, loop it through the slot in the tray and around foam. Tighten cable tie for fixture. Make sure the head of the cable tie is on the bottom side of the foam as Figure 7.

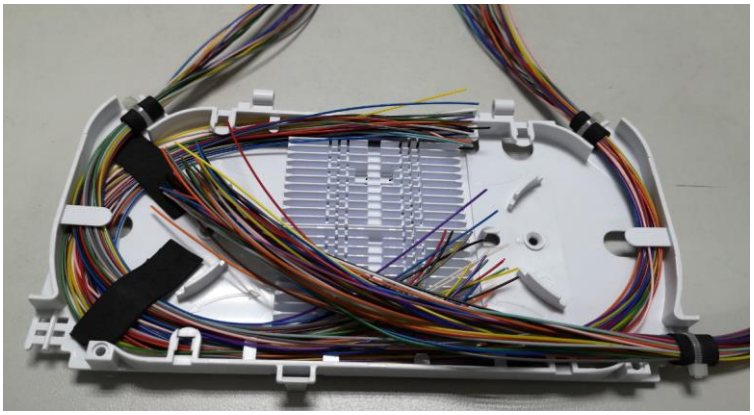


Figure 7

Step 4 – Splicing, install the tray tabs, install the cover

1. Splice 48F fibers per related instructions. Route spliced fibers into tray and secure SMOUVs in SMOUV holders before continuing with splicing. Splicing finished is shown as Figure 8.

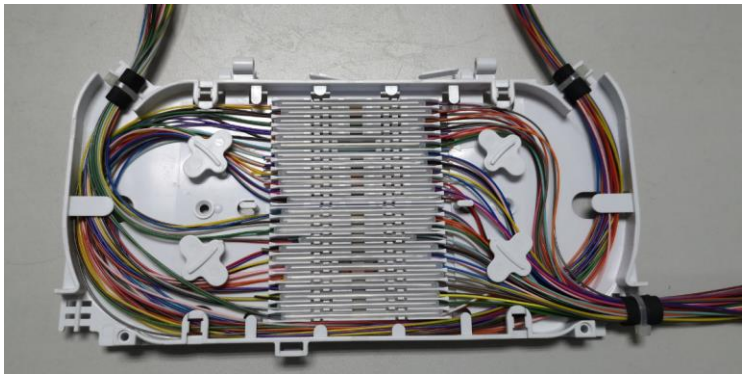


Figure 8

2. Install the four tabs and ensure no fibers are snagged, pinched in the tray, then install the cover as Figure 9.

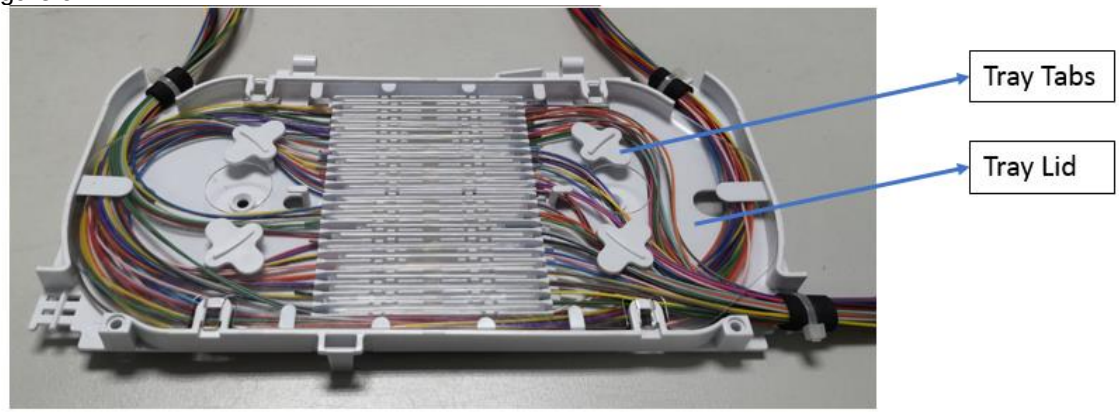


Figure 9

Note: It is recommended to splice in one layer in the SMOUV holder if no more than total 24F fibers splicing application in a tray.