

Installation Instructions for Slimbox 12 Fiber Indoor/Outdoor Enclosure

8/9/2017

This document describes the Assembly Instructions for the SlimBox-V, Indoor/Outdoor Enclosure – 12 fiber.

1. Products

The equipment is used as a termination point for the feeder cable to connect with the drop cable in a FTTx network. The fiber splicing, splitting, distribution can be done in the enclosure and provides a solid protection and management for the FTTx network.

Features:

- Total enclosed structure.
- Material: PC+ABS, water resistant, dust-proof, IP55
- Clamping for feeder cable and drop cable, fiber splicing, storage, and distribution.
- Cable, pigtails, patch cords individual pathways without disturbing adjacent fibers
- Easy Access to feeder cable by raising the distribution panel
- Suitable for both Outdoor and Indoor use

2. Specifications

- Environmental Requirement

Working Temperature	-40° C to + 60° C
Relative Humidity	≤ 85% (+30°C)
Atmospheric Pressure	70 Kpa ~ 106 Kpa

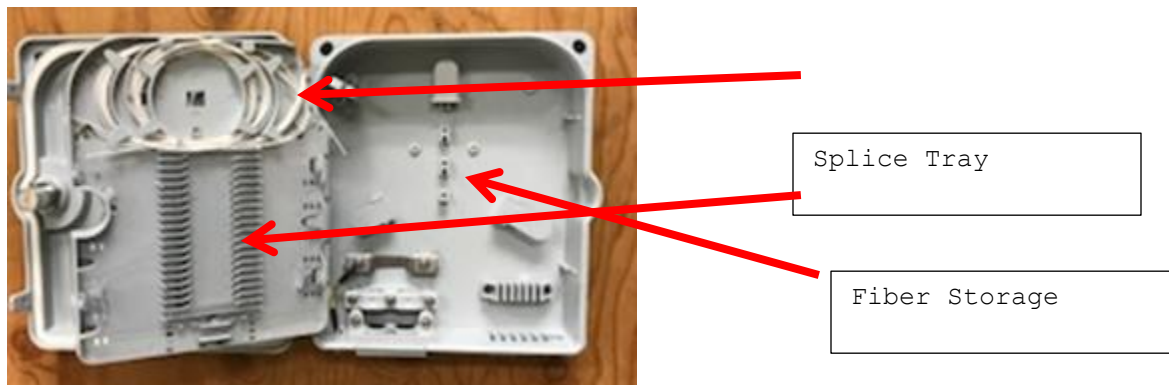
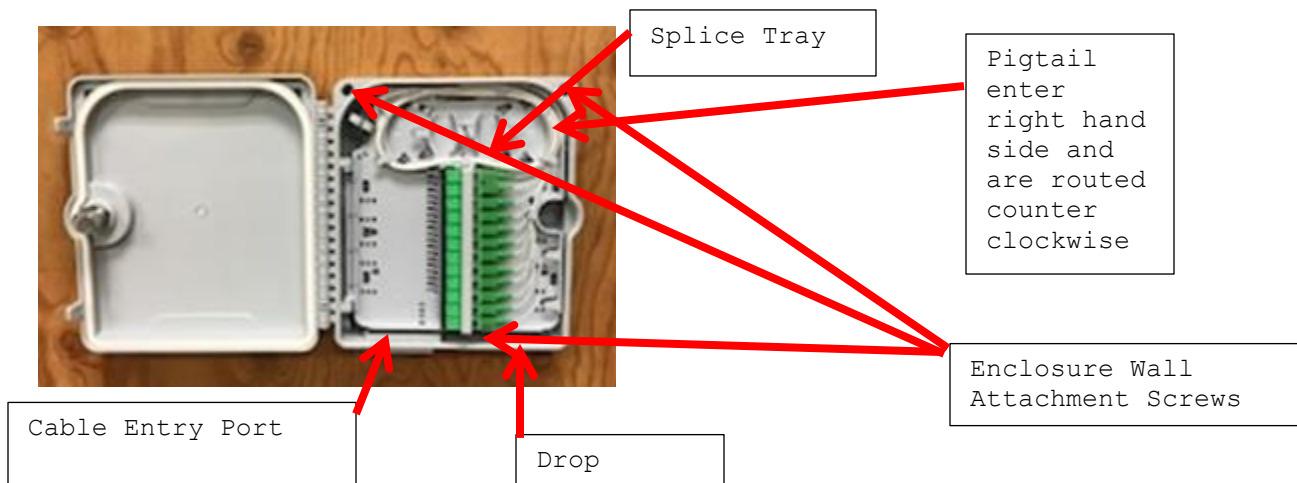
- Electrical Requirement

- The grounding device is isolated with the cabinet, isolation resistance is less than **1000MΩ/500V** (DC); $IR \geq 1000M\Omega/500V$
- The withstand voltage between grounding device and cabinet is not less than 3000V (DC)/minute, no puncture and no flashover; $U \geq 3000V$

Configuration Table

Parameter	
Dimension (HxWxD)	320 X 240 X 100 mm
Color	Light Gray
Material	Plastic (PC + ABS)
Adapter Type	SC or LC Duplex that fits SC footprint
No of Adapters	8 (LC Duplex that fits SC footprint)
Splitter Type	Nx 2, Nx4 and Nx8
No. of Splitters	Max. 2 (N x 2, N x 4 and N x 8)
Capacity	Max 24
IP Grade	IP 55 (Outdoor)
Mount	Wall Mount

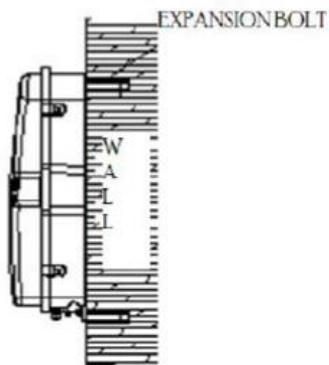
3. Product Structure and Cable Entry





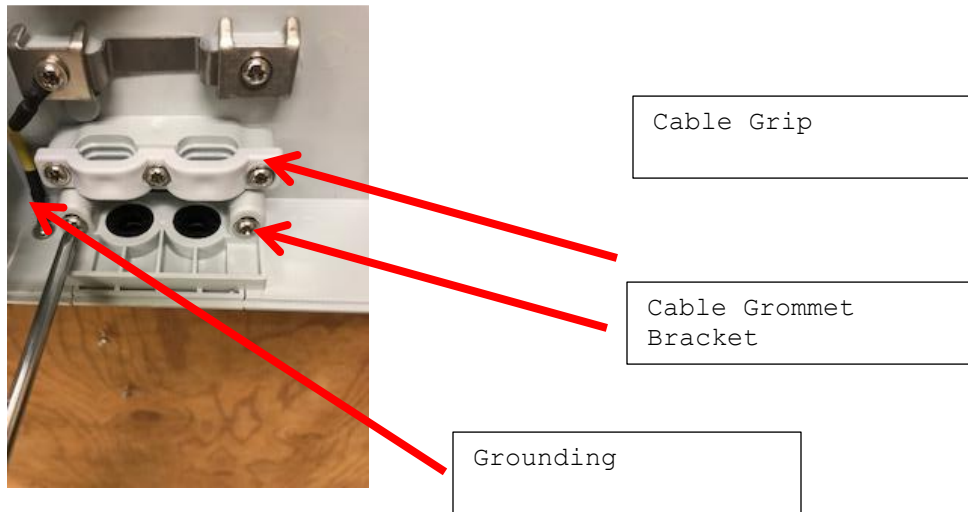
4. Enclosure Installation and drop cable attachment

1. Start by opening the accessories package and find the mounting screws included in the product packaging.
2. Use the drill template to mark the location of the mounting holes for the enclosure.
3. Drill 4 holes over the wall based on the drill template and place the expansion bolt, align the enclosure to holes and use the bolt to fasten

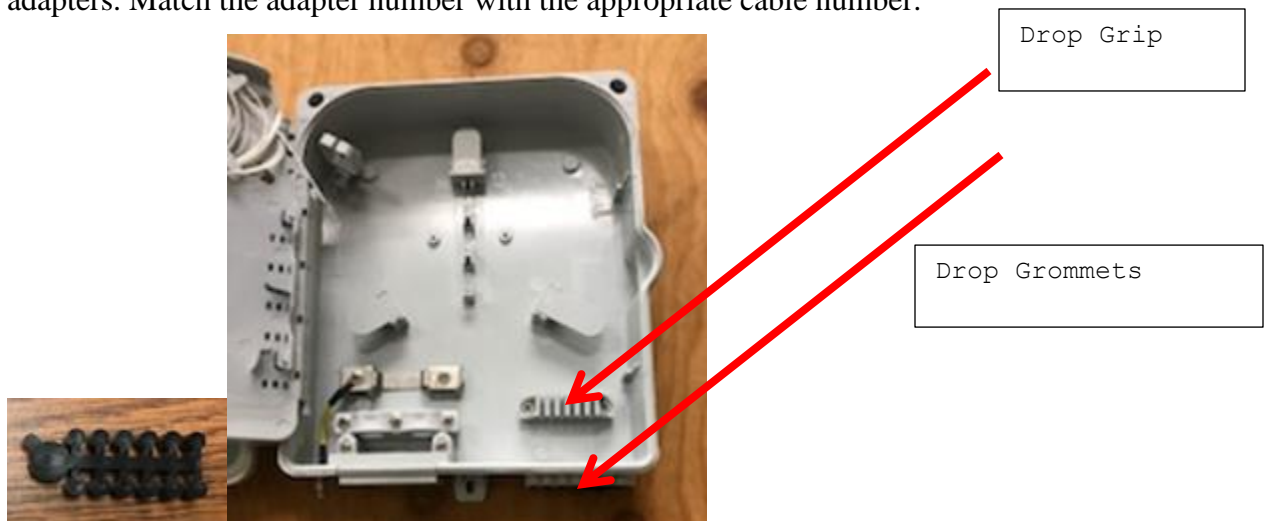


Pic 5 Wall mounted installation

4. Remove the cable grommet by removing the two screws that capture the bracket and the two screws that hold the cable grip above in order for the cable to enter. Run the cable through the notch and place the grommet back in the enclosure. Thighten the screws in the grommet bracket and then the screws in the cable grip. The cable grommet is notched in the center. The cable grommet is split in order to complete a mid-span entry of the cables. Grounding is on the left hand side.



5. Route the drop cables through the grommet on the bottom right hand side of the base and push the cable through the plastic grip shown above. The route the drop cables through the grommet ports and attach the connectorized end (SCU, SCA, LCU or LCA) into the adapters. Match the adapter number with the appropriate cable number.



6. Pigtails may be ordered with the enclosure or ordered separately. When ordered with the enclosure they will already be attached to the adapter on the front of the flip tray and the excess fiber stored in the fiber management on the front. If ordered separately then attach the pigtail to the adapter. The pigtail fiber ends will need to be routed from the front of the flip tray to the rear of the flip tray and prepared for splicing.
7. The Outside Plant cable is routed into the bottom left hand corner of the base and attached inside the bracket at the base of the enclosure. The cable is prepped with 38 inches of exposed unit tube that is routed in the base of the enclosure and routed to the rear of the flip tray. The unit tube that will be spliced is prepped 18 inches to expose the fiber that will be spliced to the pigtail. Once the fusion splice is completed the splice sleeve is installed on the rear of the flip tray and the pigtail is routed counter clockwise and the unit tube is routed clockwise on the rear of the flip tray.

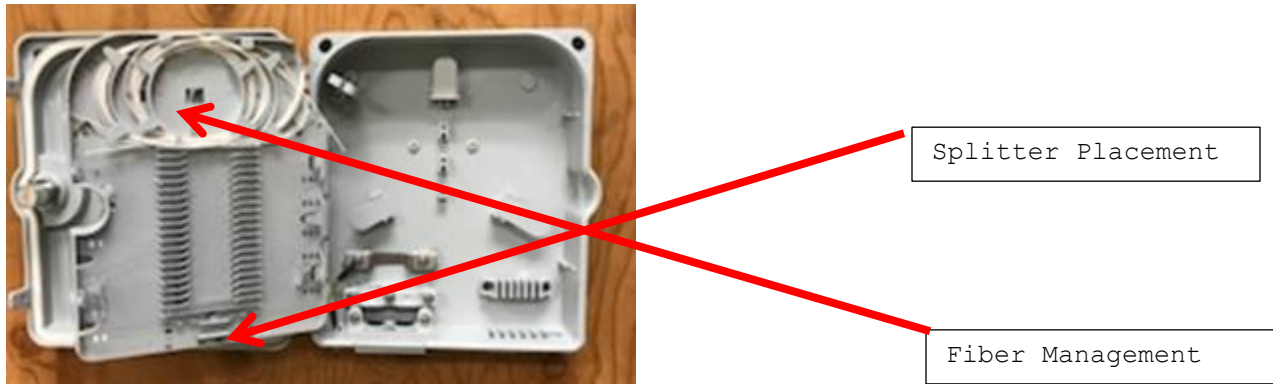


Attachment of
Outside Plant Cable
Strength Member

5. Splitter Installation

1. Attach the splitter on the rear of the flip tray.
2. If the output ends of the splitter are pre-terminated then route the connectors to the front of the flip tray and attach the connector into the adapter. The excess fiber will be stored in the fiber management at the top of the flip tray.

3. If the splitter output and inputs are to be spliced to pigtails attach the pigtail connector on the front of the flip tray to the connector of the drop lead. Then take the ends from the front of the flip tray to the rear of the tray. Take the splitter output leads and splice the respective pigtail to the splitter output fiber.



4. The input fiber from the splitter will be spliced on the rear of the flip tray to the specified fiber in the incoming feeder cable.
5. Store the splice protectors and slack in the rear of the flip tray.
6. Record the connection information and place in the base of the enclosure.
7. Close the cover and attach to the base making sure not to pinch fibers and cordage.

Ordering Information



Comcode	Product Code	Description
301139788	SLIMBOX-V.OUTDOORSVI-12FIBER-INSIDEADP	SlimBox, 12f Empty
301139796	WSE1S-012-SV11-GRY-SCAUNC-F	SlimBox, 12f with SC APC adapters
301139804	WSE1S-012-SV11-GRY-SCAUNC-F-PT	SlimBox, 12f with SC APC adapters and pigtails
301139812	WSE1S-012-SV11-GRY-SCUUNC-F	SlimBox, 12f with SC UPC adapters
301139820	WSE1S-012-SV11-GRY-SCUUNC-F-PT	SlimBox, 12f with SC UPC adapters and pigtails

Technical assistance

OFS ensures that the technical information, statements, drawings and illustrations contained in this manual are reliable. However, the information may not be sufficient to install in certain conditions OFS reserves the right to make improvements, enhancements or changes to the products without prior notification including technical data and other information related to this product.

For additional information, please contact your sales representative.

You can also visit our website at www.ofsoptics.com or call 1-888-fiberhelp (1-888-342-3743) from inside the USA or 1-770-798-5555 from outside the USA