



141 Rodeo Drive
 Edgewood, NY 11717
 Toll Free 888.844.4720
 www.tiitech.com

Model 506F Series
 Fiber Interface / Slack Storage Device



Installation Note

CAUTION: *The Product shall be installed in a manner to comply with applicable national and local safety codes.*

Description

The 506F Fiber Interface/ Slack Storage Device is a compact enclosure suitable for indoor or outdoor locations. It provides physical protection for the transition between Service Provider Feeder fibers and Customer Distribution fibers. It allows for the connection, slack storage and system testing. Please refer to Figure 1.

1. The 506F Series can be supplied with up to 12 fiber adapters when used with FP01; FP02 or FP04 Fiber Plates and has options for Feeder Fiber cable entry clamp and external ground stud.
 - a. Refer to 506F spec sheet for available options and accessories.
2. Feeder and Distribution Cable Entry Grommets are located at the bottom of the 506F enclosure.
3. Distribution fibers may exit through grommets in the rear of the enclosure if desired.

Features

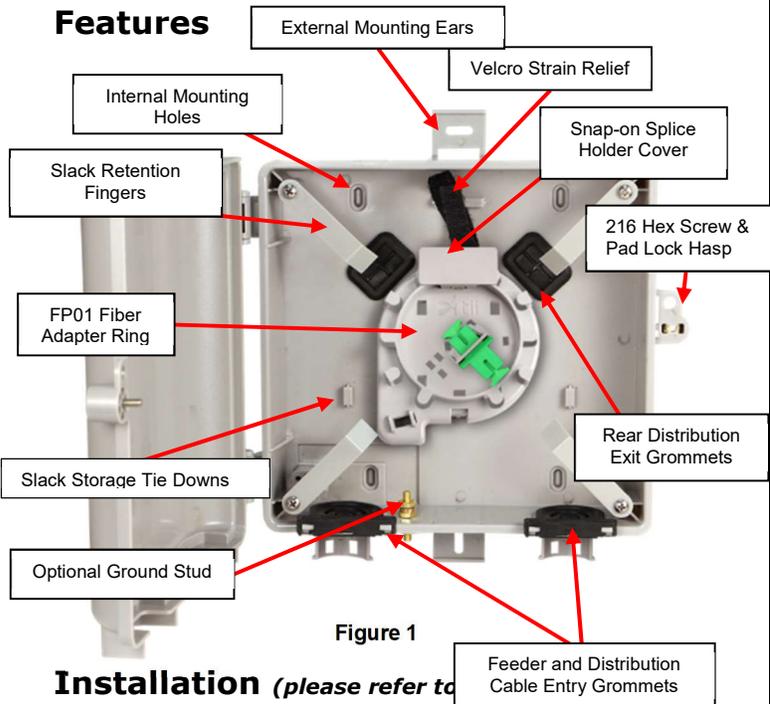


Figure 1

Installation (please refer to

1. Mount the 506F vertically on a flat surface using appropriate hardware.

- a. Internal with screws: Secure through 4 internal mounting holes that are covered with an easy to punch through film of plastic which maintains the environmental integrity of the enclosure.
- b. External with screws: Secure through top and bottom external mounting ears.
- c. Pole mounting with straps: Strap to a pole using external mounting ears and industry appropriate mounting straps.

506F for Cabling and Slack Storage of Connectorized Drops (please refer to Figures 1, 2, 3)

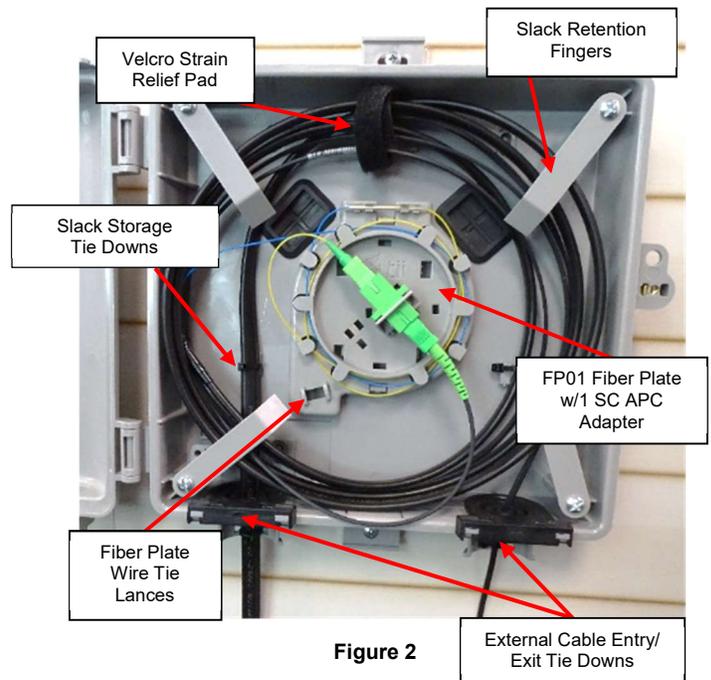


Figure 2

1. Punch a hole through the left Cable Entry Grommet and guide the connectorized Feeder Cable through bringing enough slack into the unit to make a couple of clockwise

loops around the perimeter of the enclosure under slack fiber retention fingers.

2. Secure Feeder Cable to Cable Entry/Exit Slack Storage Tie Downs outside and/or inside the 506F using wire tie(s).
 - a. If unit purchased includes optional Cable Entry Clamp, secure jacketed fiber under clamp (figure 3).

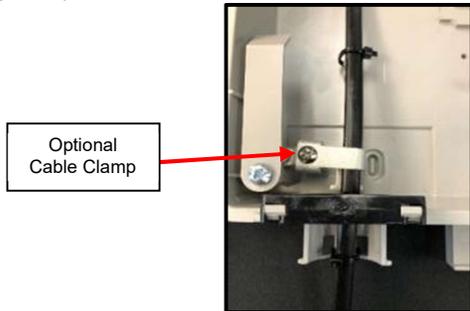


Figure 3

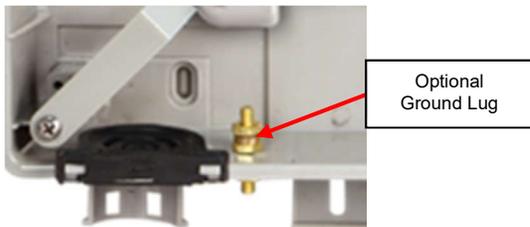


Figure 4

- b. If desired, and unit includes optional Ground Stud, ground cable armor or tone-able member adhering to industry accepted practices (figure 4).
3. Insert Feeder Cable connector into the provided adapter located on the FP Fiber Plate in the center of the enclosure.
4. Punch a hole through the right grommet and guide the Distribution Fiber through.
 - a. Wrap excess slack counter-clockwise around the perimeter of the enclosure and under slack fiber retention fingers.
5. Connect the Distribution Fiber to the opposing side of the provided adapter on the Fiber Plate.
6. Position Feeder and Distribution Fiber slack as desired inside of the enclosure under slack fiber retention fingers.
7. Secure slack with Velcro (provided) at the top of the 506F. Using wire ties secure slack fiber to the Slack Storage Tie Downs located inside of the enclosure, above the cable entry and exit grommets
8. Close and secure the cover by tightening the hex screw until snug, taking care not to over tighten.

506F for Cabling, Splicing on the FP01 Plate and Slack Storage of Unconnectorized Drops

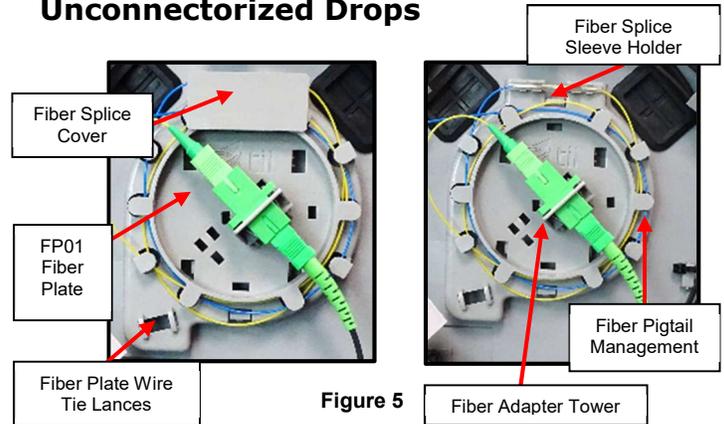


Figure 5

The FP01 Fiber Plate has splicing provisions for two 3mm splice sleeves. They are located at the top of the Fiber Plate and are secured under a snap on cover. The Fiber Plate includes opposing fingers to manage and secure pigtail.

1. Bring unconnectorized cable into the 506F as previously described.
2. Splice feed fiber to pigtail and manage excess pigtail around fiber plate. Insert splice sleeve into splice holder and replace cover (figure 5).
3. Secure slack fiber to the Slack Storage Tie Downs inside of the enclosure (figure 2).
4. Close and secure the cover by tightening the hex screw until snug, taking care not to over tighten.

506F for Slack Storage (please refer to Figure 6)

The 506F can be used for slack fiber storage.

1. Bring fiber into the enclosure through the bottom left Fiber Entry Grommet coiling excess fiber clockwise around perimeter of the 506F.
2. Exit the enclosure through the bottom right Fiber Entry Grommet.
3. Position Fiber slack as desired inside of the enclosure.
4. Secure slack fiber with Velcro (provided) at the top of the 506F and to the Slack Storage Tie Downs located inside of the enclosure, above the cable entry and exit grommets.
5. Close and secure the cover by tightening the hex screw until snug, taking care not to overtighten.

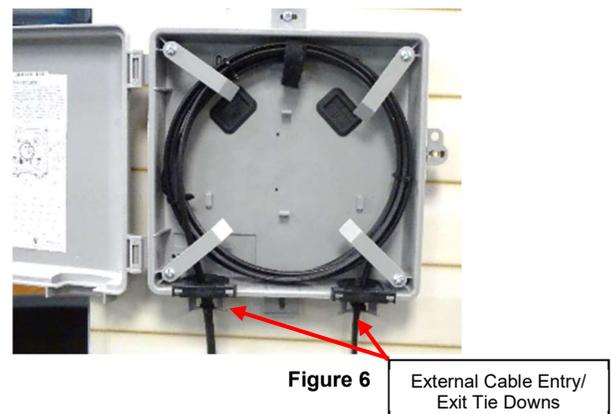


Figure 6