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Model 509R Reeled Fiber Dispenser, Installation Note

Description

Tii's 509R Series Reeled Fiber Dispenser is designed to provide demarcation between OSP fiber drop and customer distribution fiber. It features a slack storage provision which accommodates up to 50ft of pre-connectorized OSP flat drop cable.

Installation

1. Mount the 509R vertically on a flat surface using appropriate hardware:
 - a. Internal with screws: Secure through four internal mounting holes that are covered with an easy to punch through film of plastic that maintains the environmental integrity of the enclosure. To use internal holes, Reel assembly and Reel Mounting Plate first need to be removed (Figure 1).
 - 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

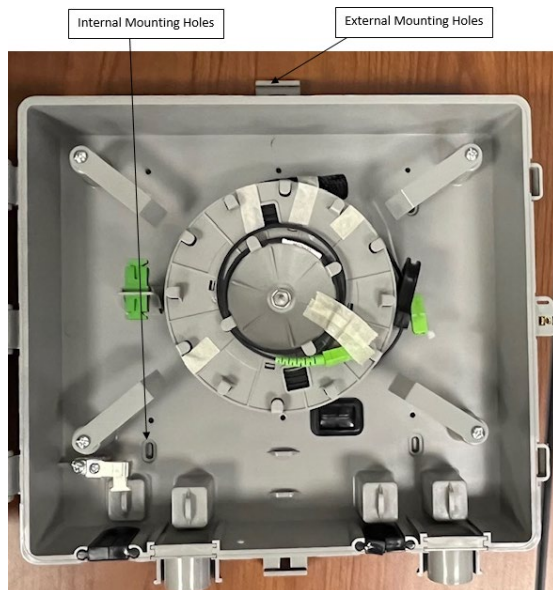
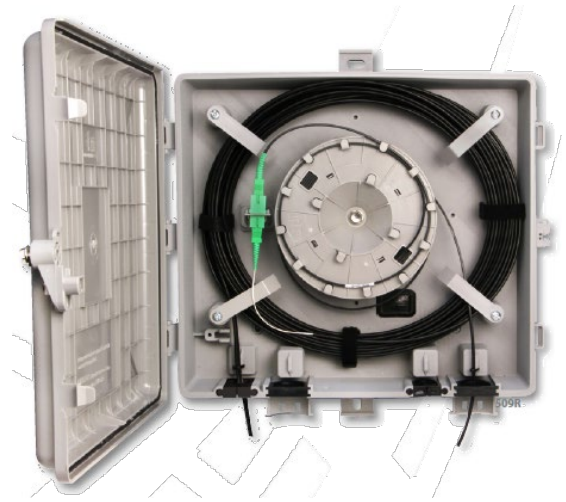


Figure 1



2. Remove the Reel Assembly by loosening the Center Screw and pulling the Reel outward. Do not remove screw (Figure 2).



Figure 2

3. Punch a hole through the left cable entry grommet and guide the pre-connectorized OSP flat drop through the hole. Cut the Drop Cable, leaving at least 1 meter of slack inside the unit.
4. Mark the cable just above the strength member clamp. Wind the cable clockwise under the slack storage fingers. Plug the SC Connector at the end of the cable into the provided SC Adapter (Figure 3).

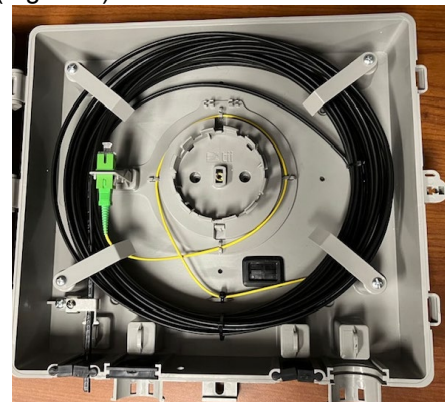


Figure 3

5. Secure the jacketed cable using the strength member clamp (Figure 4).

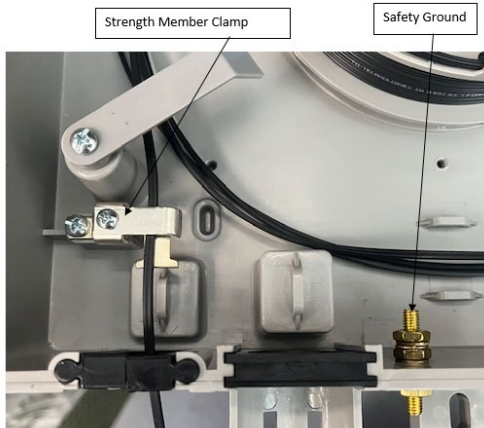


Figure 4

6. If a tracer wire is being used, connect it to the internal Ground stud and connect AC Safety ground to the external Ground stud (Figure 4).
7. If needed, terminate or splice the 900u Fiber per standard company practice. 3mm splice sleeve holders are provided on the lower plate, beneath the reel (Figure 5).



Figure 5

8. Snap the Reel into the lower plate, partially tighten central screw while still allowing Reel to rotate (Figure 6).

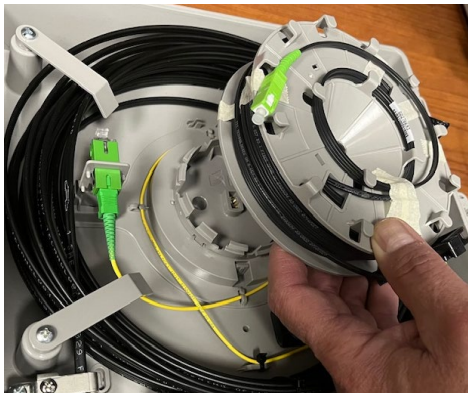


Figure 6

9. The assembly is shipped with the cable passed thru the grommet. Remove the tape holding end of plastic bag (Figure 7).



Figure 7

10. Install the right grommet with cable passed through, and dispense and route the desired amount of cable. **Always pull the cable by the black jacket – never pull on the SC connector.** Bag can be removed at any time by releasing the tape holding it to the fiber.

Adjust final cable tension by hand rotating the Reel, and tighten the Center Screw to lock the Reel in place. Secure the Distribution Fiber cable with a tie wrap (Figure 8).

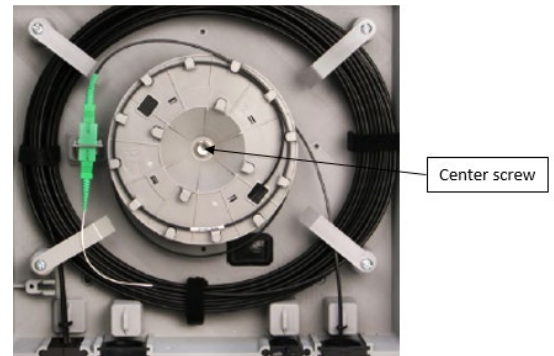


Figure 8.

11. Route the excess fiber on top of the Reel and secure under the slack retention fingers. Remove dust cap and plug the SC connector into the top of the SC Adapter (Figure 9).

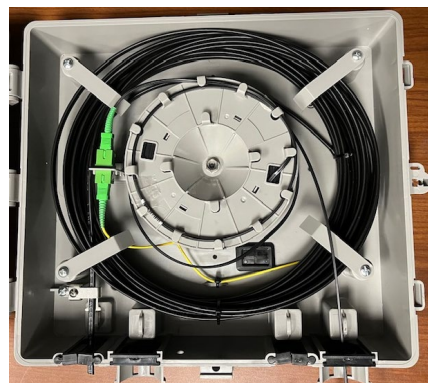


Figure 9

12. Close and secure the cover by tightening the hex screw until snug, taking care not to over tighten.