

Slack Storage Module (SSM)

Installation Guideline



Introduction

The FTTP Slack Storage Module (SSM) is a compact module that, when combined with Superior Essex FTTP Tight Buffered Indoor/Outdoor (I/O) Drop Cable, enables the use of an indoor Optical Network Unit (ONT). This installation method decreases costs by elimination of an outdoor rated ONT along with the need for an electrician to run power to the ONT from inside the home or business. These two requirements can add \$200 or more in installation costs, as well as unplanned delays to potential FTTP connected installations.

The Superior Essex SSM stores up to 50 feet of excess simplex optical fiber drop cable for future splicing or termination needs. The SSM provides superior environmental protection and comes complete with hardware required for installation. Use of the SSM provides an inexpensive method to access and store excess fiber as needed.

This product installation guide assumes basic familiarity with fiber cable systems and FTTP applications.

Recommended Installation Tools

- Screwdriver - Phillips or flat head
- Knife or diagonal cutters (for grommet opening)
- Oblique pliers
- Needle nose pliers
- Drill (for mounting holes)
- Flat optical drop slitter*
- 0.15625 inch ($\frac{5}{32}$ inch) pin-in-hex driver

**Jonard FOD-2000 recommended*

Components

Inventory the contents of this closure product using the image above and its respective components table. If any parts are missing or damaged, contact Superior Essex at 1.800.551.8948.



COMPONENTS

No.	Item	Unit	Quantity
1	Main body	each	1
2	Wall anchors	each	4
3	Mounting screws	each	4
4	Cable ties	each	4

Procedure

STEP 1: X

- 1.1 Mark and pre-drill holes to be used for mounting of the SSM. Install anchors if required to insure secure fit to mounting surface. Attach the SSM with supplied screws.



STEP 2:
X

- 2.1 Cut horizontal slit in rubber grommet to provide drop cable entry. Insure slit is minimum required for cable entry and positioned to allow tie down of cable inside the SSM.
- 2.2 Measure distance from SSM to termination point adding desired slack (up to 50 feet) to be stored inside the SSM. Allow 1 inch of intact drop sheath inside the SSM to aid in securing fiber drop to the cable attachment "T" bar.



STEP 3:
X

- 3.1 Using a flat optical drop splitter, open the sides of the outer jacket of the drop cable for the measured inside length and slack to be positioned in the SSM.



STEP 4:
X

- 4.1 Once slit is made, separate the OFNR fiber drop jacket from the center of the drop cable. Remove the outer jacket, strength members and copper trace wire (if configured) and discard appropriately.



STEP 5:
X

- 5.1 Remove rubber grommet and thread inside length and slack through grommet.
- 5.2 Position 1 inch of drop sheath to the top of the cable attachment "T" bar. Secure to cable attachment "T" bar inside the SSM with two supplied cable ties.



- 5.3 Insert rubber grommet and outer sealing gasket to original positions on the SSM.



STEP 6:
X

- 6.1 Wrap fiber drop slack around the storage spool.
- 6.2 Measure and retain adequate length of fiber drop to be used from the SSM to the termination point. This length will be carried through hole in center of the SSM. Caution should be used when pulling fiber drop. When pulling fiber drop in conduit, extended runs or difficult feeds, 6 inches of jacket should be removed to expose the aramid yarns. The aramid yarns can then be used for safely pulling fiber in installations requiring additional protection. When proper length of fiber drop is secured to the termination point, remaining slack may be adjusted as needed around the storage spool. Seal cable exit hole if required.



STEP 7:
X

- 7.1 Close SSM front panel. Insure the two sealing latches and 0.15625 inch ($\frac{5}{32}$) pin-in-hex security screw are in their locked positions.



Product Installation Complete