

## **OPTI-LOOP Mini-Shoe M&P**

### **DESCRIPTION**

The Opti-Loop Mini-Shoe is available in an 8” size, which is sufficient for all uses. The Opti-Loop Mini-Shoe can manage up to 12 fiber drops when laid flat into the raceway, with minimal slack required at the terminal.

The Opti-Loop Mini-Shoe was designed to store and organize the small amount of slack from a fiber drop that is to be left at an FDT. It is also to be used for the organization or storage of the minimal amount of unused multi-fiber drop, in the placing of a multi-port terminal from VATS splices. Additionally, the remaining cable left for future use is safely stored, as opposed to the slack hanging in a vertical coil. This procedure stores the coil in a more unobtrusive, horizontal fashion.

### **BENEFITS**

- Light weight, tough plastic compound and aluminum models
- Keyed bracket slot, to prevent twisting
- Optional, changeable, mounting hardware for aerial, pole or below-grade hand holes
- Weather resistant, non-rusting
- One tool, one bracket mounting
- Will hold all the drops for the largest terminal
- Meets minimum bend radius requirements
- Flared ends prevent chaffing and allow smooth transition to a terminal
- Adjustable length of reserve fiber, restricted only by the distance between the attachments
- Stackable if necessary, with optional, longer bolt
- Spring type, lockable, fingers to hold fiber drops and cable. Nothing more required
- No ty-wraps required
- Future drops can be added without disturbing the original bundle
- Patented design
- No coiling of the fiber drop that could introduce “twisting” if the reserve is used at a later date

## **OPTI-LOOP Mini-Shoe placing instructions:**

### **I. Aerial at a fiber terminal**

#### Materials Needed:

- The Opti-Loop Mini-Shoe (provided)
- Hanging bracket, with nut and bolt – used to attach the bracket and the Opti-Loop Mini-Shoe together (provided)
- A standard, 7/16” wrench
- A standard, square nut wrench, i.e. lineman’s combination wrench

*\*The placement of the Opti-Loop Mini-Shoe is: One unit on either side of the terminal.\**

**This device will allow the fiber drops to gradually sweep from the terminal ports to the managing Opti-Loop Mini-Shoe, without sharp bends and no chaffing on any edges, due to the flared ends.**

Attach the Opti-Loop Mini-Shoe to the strand after assuring that the attaching bolt and nut did not loosen in transit to the jobsite.

Then, loosen the messenger strand clamp.

Place the messenger strand clamp onto the strand, 12” from the end of the terminal, with the open end facing the terminal and tighten the nut. *The round end is away from the terminal, and will be true for either end of the terminal.*

Finally, place a second Opti-Loop Mini-Shoe on the other end of the terminal, also 12” away from the end.



Now you are ready to manage the fiber drop.

First, prepare the end of the drop according to your company practices. Connect the drop to the terminal as prescribed by those practices.

Then, lift up the retaining clips (3) from their mooring, to allow the movement of the spring holding fingers. This will allow the fiber drop to be placed into the managing track.

How to manage the fiber into the Opti-Loop Mini-Shoe:



The fiber should already be placed flat on the ground for a distance, be dispensed from a reel, or entirely spread out for its full length. All fiber should be straight and flat, with *no twists*. The Opti-Loop Mini-Shoe does not introduce twist since the fiber drop is not “coiled”.

Starting from the terminal end of the drop, pull the drop straight away from the terminal and place the fiber drop into the raceway of the Opti-Loop Mini-Shoe, in a clockwise rotation, by slightly moving the first spring finger away from the frame of the Opti-Loop Mini-Shoe and placing the drop into the frame so that it lays on the edge.

Go to the second spring finger and then the third.



You now have made a 180 degree turn.

\*If you are attaching the drop to a pole that is on the same side of the terminal as the connection port, then you will have to continue to the second Opti-Loop Mini-Shoe and follow the previous procedure for placing a drop into the Opti-Loop Mini-Shoe, making another 180 degree rotation, then go directly to the pole attachment. For this connection you will have circled the terminal one time.

\*If the connection port is on the side of the terminal away from the pole, you will follow the previous procedure, except the drop will circle the terminal 1 ½ times, entering and following a path through the first Opti-Loop Mini-Shoe two times, then to the pole attachment. The remainder is completed following your company policies.

**Finally move the patented locking latches back to secure the fingers.**

The drops are now organized in a manner not allowing them to move in the wind.

## **II. On a pole or a wall**

### Materials Needed:

The Opti-Loop Mini-Shoe (provided)

Pole/Wall mounting bracket, with necessary mounting hardware (kit optional)

A standard, 7/16” wrench

A standard, square nut wrench, i.e. lineman’s combination wrench

**With the easily changeable, optional mounting bracket, the Opti-Loop Mini-Shoe can be mounted on a pole or a wall, above and below a fiber terminal, to manage the fiber drops.**



*\*Place the units 10” to 12” below and above the fiber terminal.\**

To attach the unit to a pole or a wall, remove the attached hanging bracket from the Opti-Loop Mini-Shoe by loosening the 7/16 “ nut and retaining it for mounting the pole/wall bracket.

Mount the optional pole/wall bracket onto the pole or wall, with locally supplied anchors, nails or screws.

Then place the Opti-Loop Mini-Shoe onto the pre-attached bracket using the previously removed 7/16” nut.



After mounting the shoe you are prepared to manage the fiber drops.

**This device will allow the fiber drops to gradually sweep from the terminal ports to the managing unit, without sharp bends and no chaffing on any edges, due to the flared ends.**



Place the fiber drop into the managing track by moving the locking latches (3) up away from their mooring and pushing the spring fingers far enough away from the device to permit the fiber drop to traverse into the track. (*This should only have to be moved approximately 5/16”.*)

Arrange the fiber drop from the terminal port down to the lower Opti-Loop Mini-Shoe and into the first finger, laying it flat in the managing track and around the shoe.



\*If the drop is being placed in conduit or direct breeied, then follow the path and procedure around the upper Opti-Loop Mini-Shoe, then to the conduit or into the earth.

**Finally move the locking latches back to secure the fingers.**



The drops are now organized in a manner not allowing them to move in the wind.