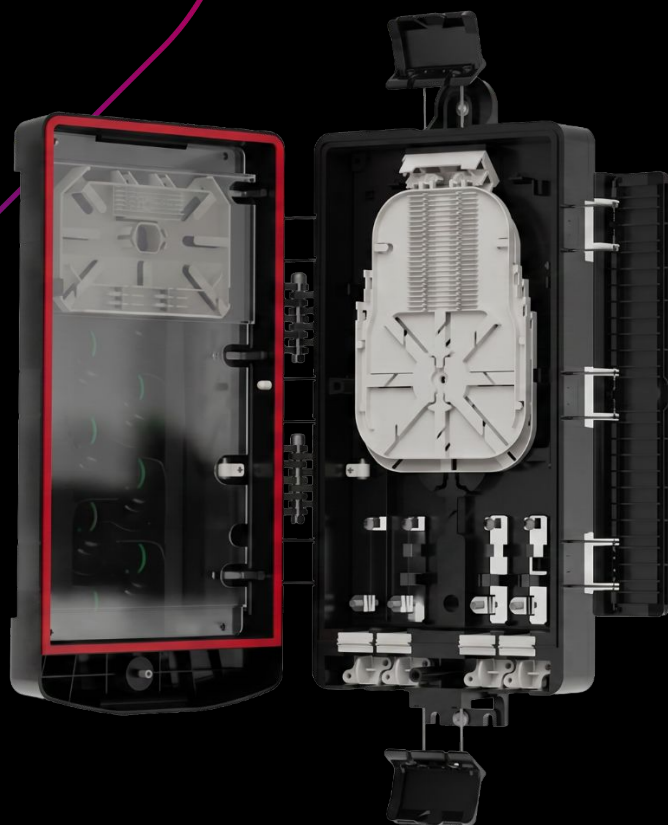


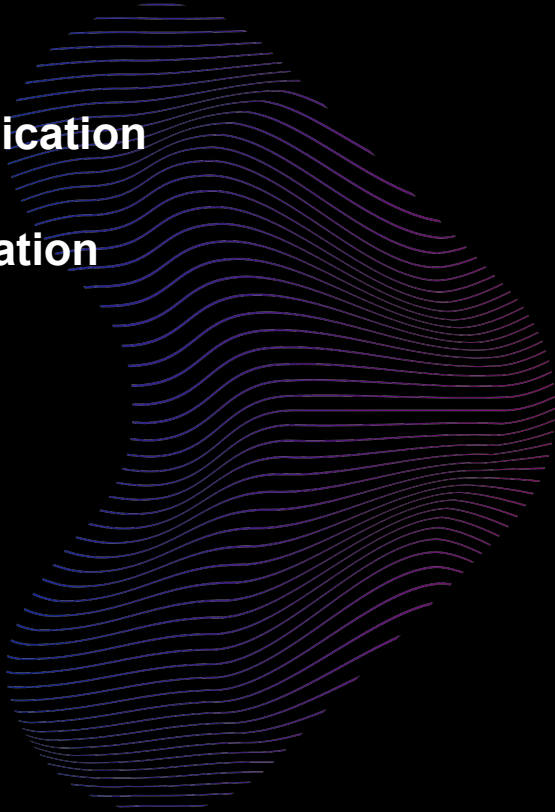
STL CONCAT

**Hardened Spliced
Concatenated
Fiber Cable
Assembly System**



Installation Guide

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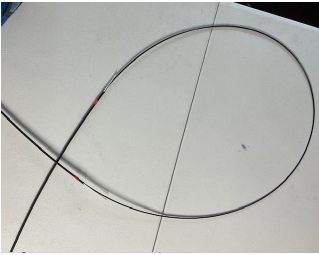
1. HARDENED CONCAT STEP-BY-STEP GUIDE – SPLICE VERSION



1.1 Prepare 24-fiber Flat IBR

Note: For aerial and pedestal installation, it is recommended that a loop of 18-feet be left for mid-span cable access and splicing when cable is placed. This allows for 120-inches of slack stored on the aerial mount bracket or inside the pedestal and 96-inches for routing internally and splicing.

Locate center point of slack loop and mark 48 inches in each direction for a 96-inch mid-span opening.



Mid-span of 96-inches (Fig. 8a/8b)

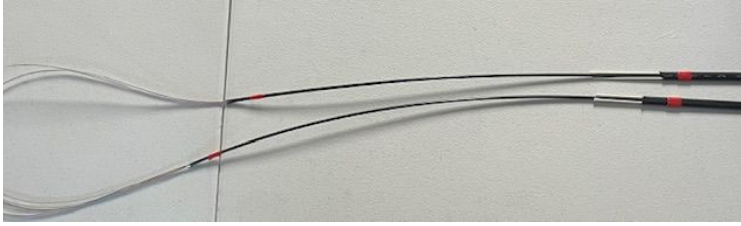
Cut GRP strength members to 2-inches.



(Fig. 8c)

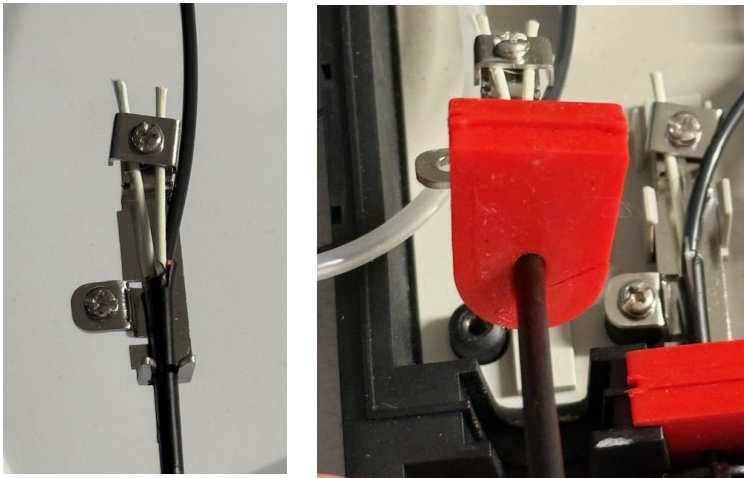
1.2 Remove Buffer Tube

Measure and mark 16-inches from each end of the mid-span opening. Use a 3mm cable splitter to remove the 3mm buffer tube between the 2 marks.



18-inches buffer tube on each side (Fig. 8d)

1.3 Install Prepared Cable Into Closure



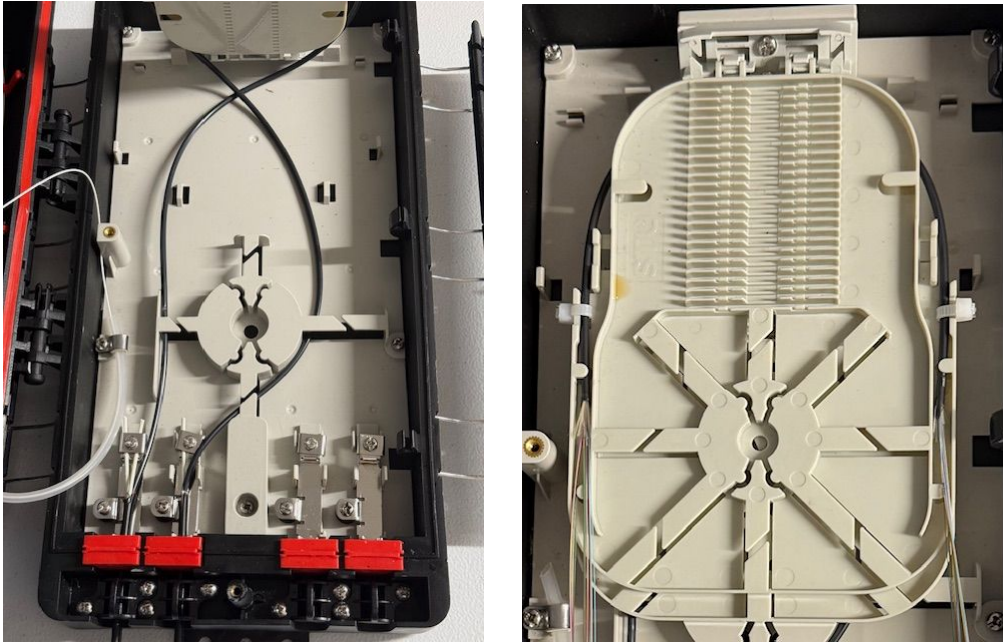
Secure GRP strength members into strength member bracket as shown. (Fig.8e). Place cable in grommet as shown (Fig.8f)



Insert Grommet in closure and use cable retention hardware to secure cable as shown. (Fig.8g/8h).

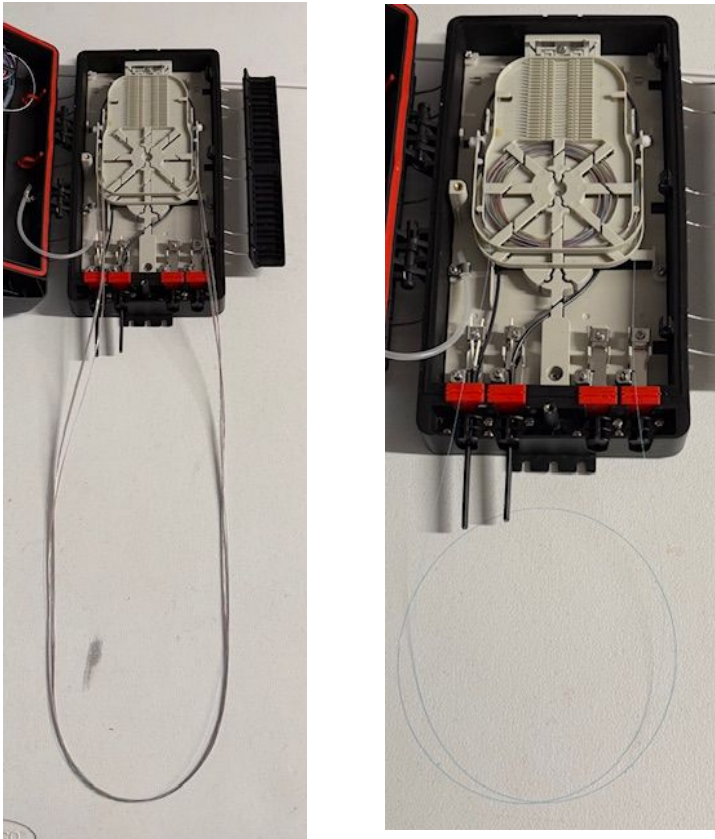


1.4 Route Buffer Tube to Splice Tray

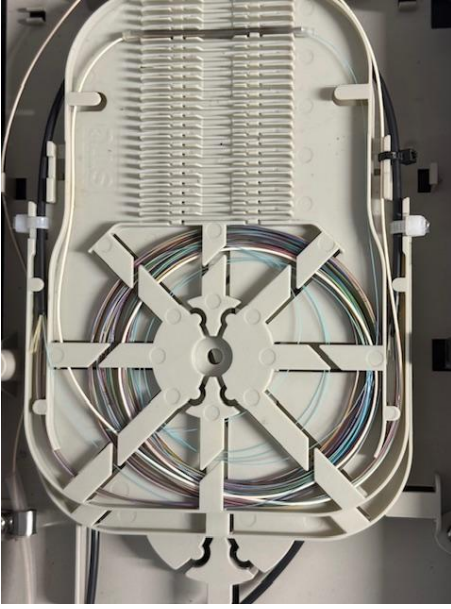


Route buffer tubes as shown – Note buffer tubes cross (Fig. 8i). Buffer tubes should extend onto the splice tray and be secured with a tie wrap (Fig. 8j).

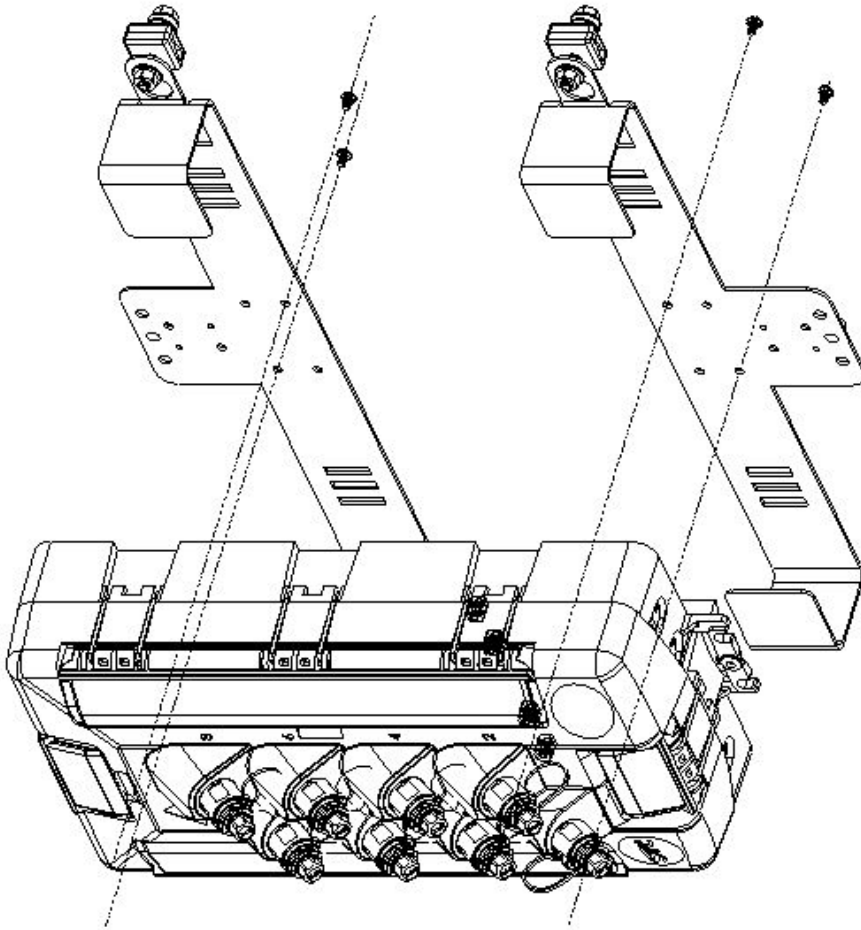
1.5 Prepare Fiber to Splice



Separate fiber to be spliced (to input of drop splitter) and store the fibers that will pass through as shown (Fig. 8k and Fig. 8l).



Splice fiber selected to 900-micron pigtail (Fig. 8m).



(Fig. 9)

1.6 Aerial & Pole Mount Bracket Install: Strand Application

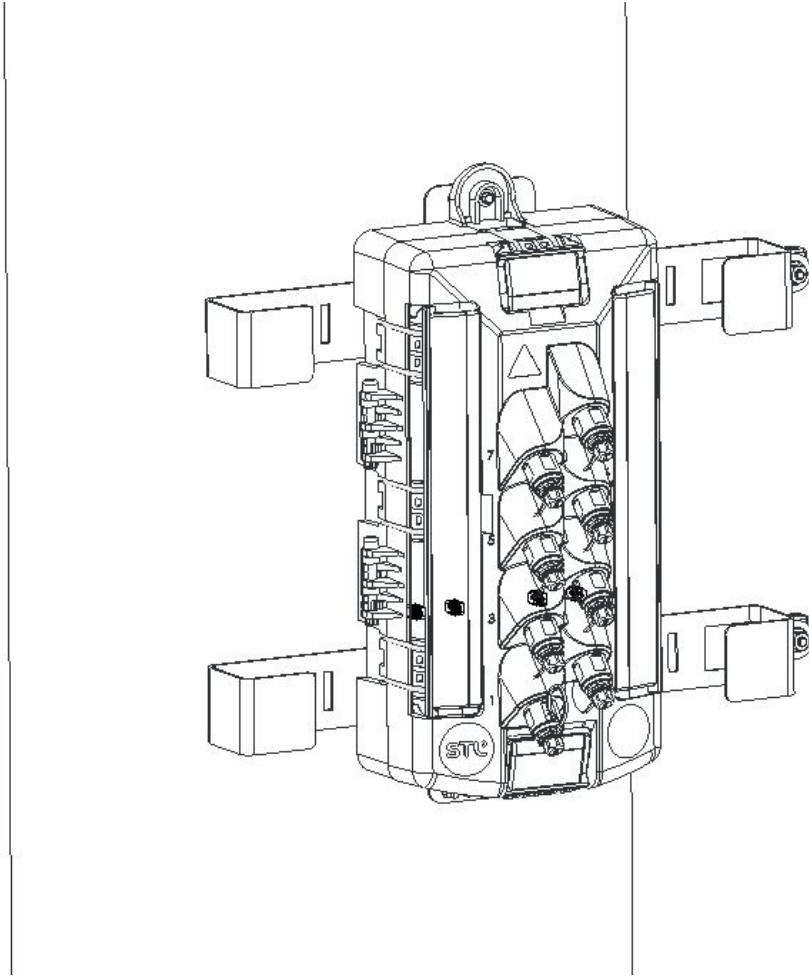
Step 1. Locate left hand and right hand brackets and the pack of 4 screws

Step 2. Align the bracket holes on the closure to the screw pattern on each bracket

Step 3. Tighten screws

Step 4. Install lashing clamps to bracket

Step 5. Place bracket on strand and tighten lashing clamps



(Fig. 10)

1.7 Aerial & Pole Mount Bracket Install: Pole Mount Application

Step 1. Locate left hand and right hand brackets and the pack of 4 screws

Step 2. Align the bracket holes on the closure to the screw pattern on each bracket

Step 3. Tighten screws

Step 4. Locate Closure bracket assembly against pole

Step 5. Use $\frac{1}{4}$ x 2 $\frac{1}{2}$ inch wood screw or equivalent screw to attach to pole