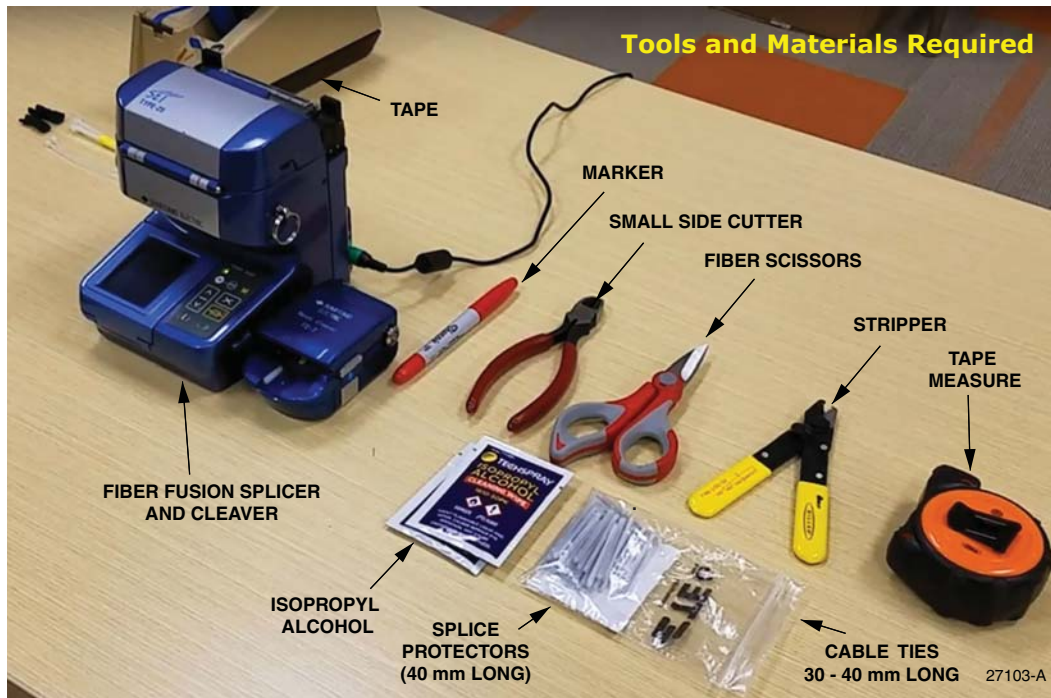




Compact High Density (CHD) Pass-Through Splice Cassette



1. Using thumb and finger, disengage five tabs one at a time, and lift off cassette cover, as shown in [Figure 1](#).



Figure 1. Removing Cassette Cover

2. Place cable inside strain relief boot and adapter housing ([Figure 2](#)).

Note: Pull approximately 40 inches (101.6 cm) of cable through the plastic housing, as shown.



Figure 2. Pulling cable through cassette

3. Measure 36 inches (91.44 cm) from the end of the cable, and remove outer jacket. Cut strength member 2-3 inches (5.12-7.66 cm) from end of remaining cable jacket and discard it. Refer to [Figure 3](#).

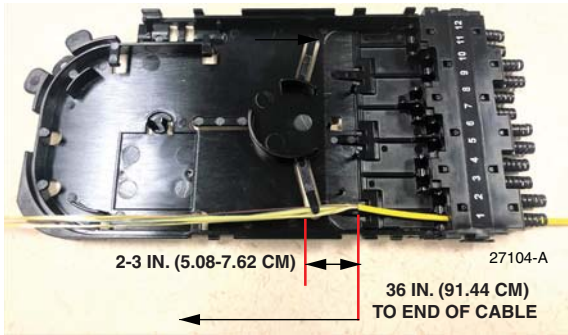


Figure 3. Removing Outer Jacket and Cutting Strength Member

4. Gather the strength member and tuck it alongside the cable jacket. See [Figure 4](#).



Figure 4. Tucking Strength Member Alongside Cable Jacket

5. Cut a 5/8 inch (1.6 cm) piece from the foam strip and remove the paper liner. With the adhesive side up, center the cable on the foam piece, leaving 1/16-1/8 inch (.16-.32 cm) exposed, as shown in [Figure 5](#).

Note: Ensure that the cable and strength member are secured within the foam.

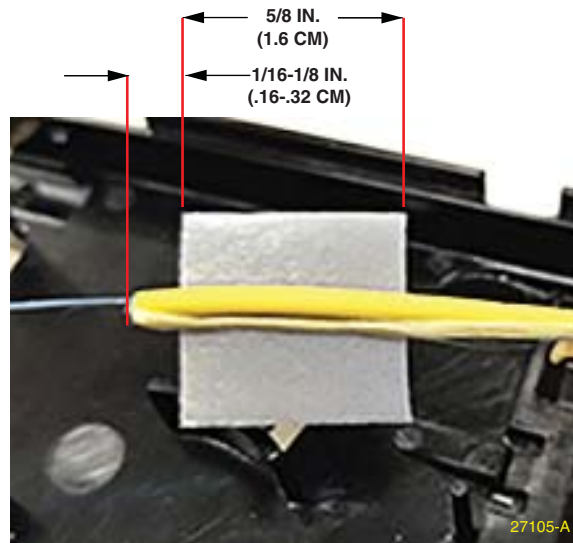


Figure 5. Centering Foam Piece

6. Fold the foam piece in half ([Figure 6](#)).

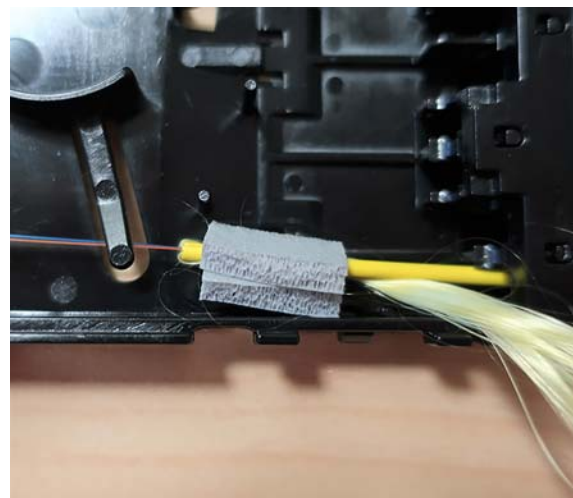


Figure 6. Folding foam

7. Trim off the excess strength member (Figure 7).

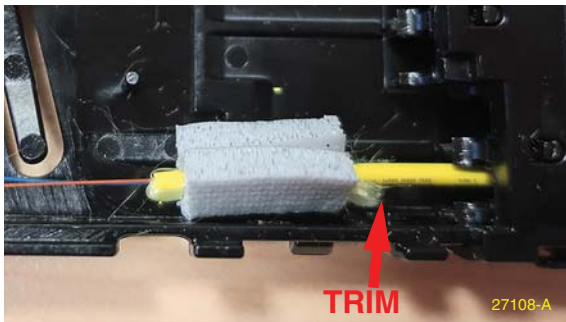


Figure 7. Strength Member Trimmed

8. While guiding the foam into the housing opening, gently pull outward (Figure 7).

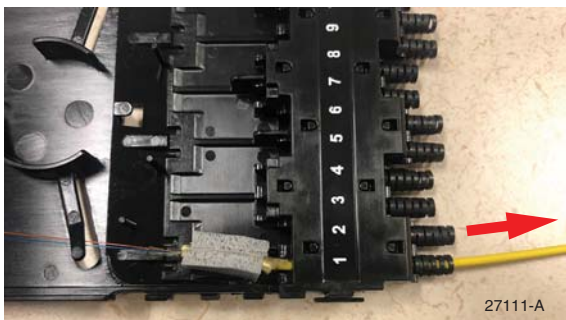


Figure 8. Guiding In Foam

9. Continue pulling gently on cable until foam is seated snugly in housing (Figure 9).

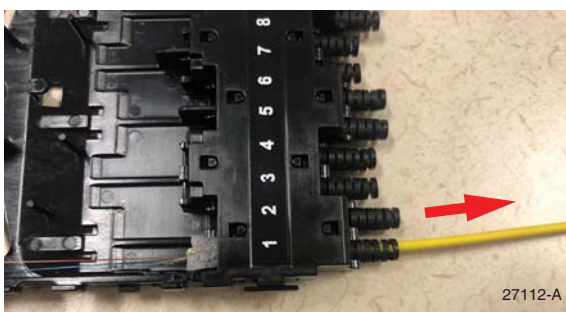


Figure 9. Foam Seated in Housing

10. Install remaining fibers following routing paths shown in Figure 10.

Note: Use radius limiters to separate fibers cleanly into discrete groups.

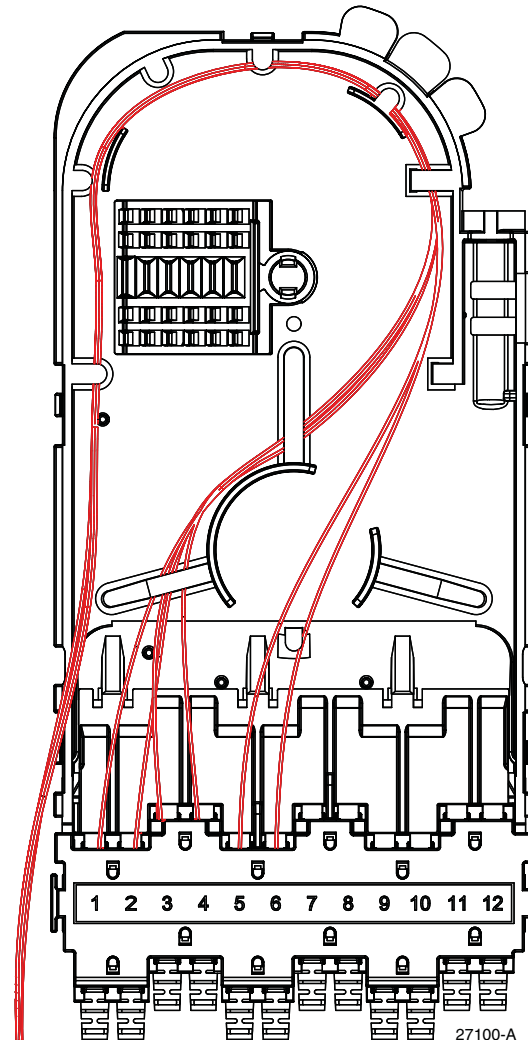


Figure 10. Schematic (Engineering Model)

- Prepare feeder fibers for installation 31.25 in. (79.38 cm) is the initial length for use in the splice cassette. 30-33 in. (76.2-83.82 cm) of jacketed fiber will be required inside the CHD panel for proper drawer movement. Additional length from trunk cable mounting location will need to be determined by installer (includes desired drip loop and routing length). See [Figure 11](#).

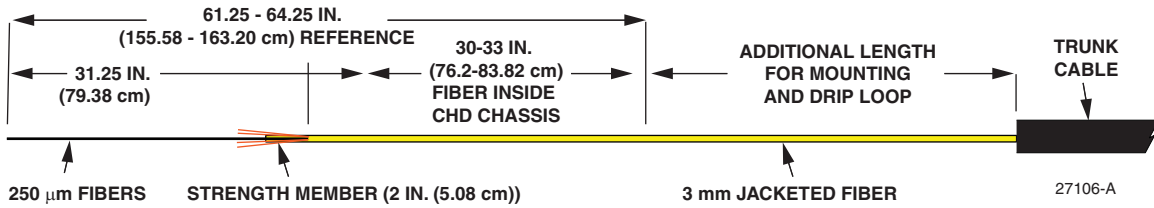


Figure 11. Feeder Cable Breakout Dimensions

- Ready foam wrap and two cable ties as shown in [Figure 12](#).

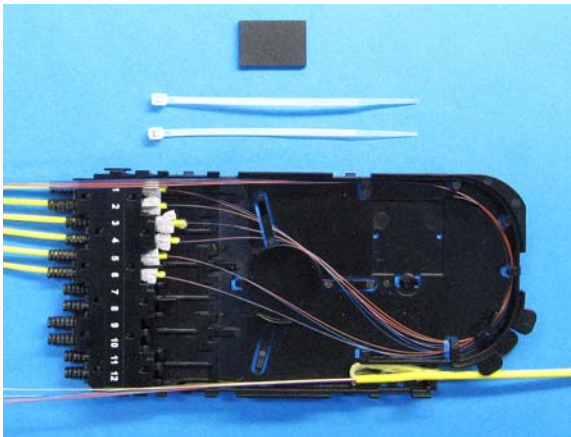


Figure 12. Cassette With Foam Wrap

- Place feeder fiber in foam wrap near end of fiber jacket ([Figure 13](#)).

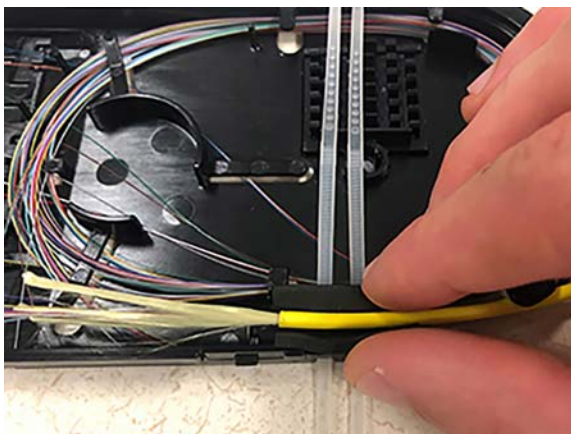


Figure 13. Placing Feeder Fiber in Cassette

- Secure forward cable tie around cable and foam wrap. Fold strength member back and secure rearward cable tie around fiber, foam wrap, and strength members ([Figure 14](#)).

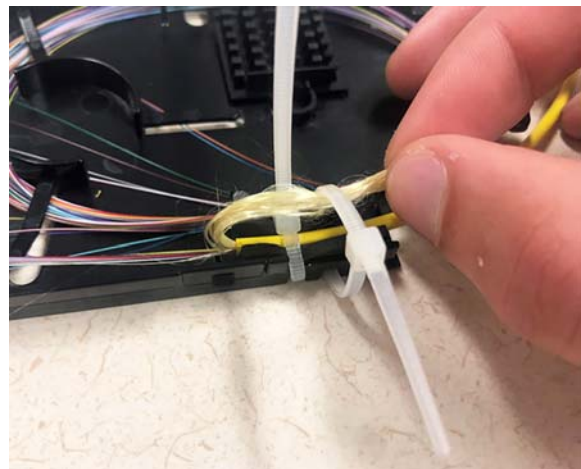


Figure 14. Installing Cable Ties

- Snip off ends of cable ties ([Figure 15](#)).

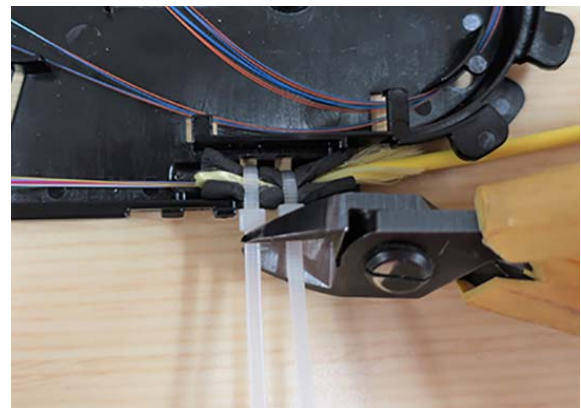


Figure 15. Snipping Off Cable Tie Ends

16. Extend feeder fibers and inner fibers in front of cassette as shown in [Figure 16](#). Use tape to hold down the fibers. (a) Trim trunk fibers to 23.5 in.(59.69 cm). (b) Trim inner fibers to 16.5 in.(41.91 cm).

Note: Optional shorter lengths if needed:
Inner fiber: 7.5 in. (19.05 cm); Feeder: 12.5 in.(31.75 cm).

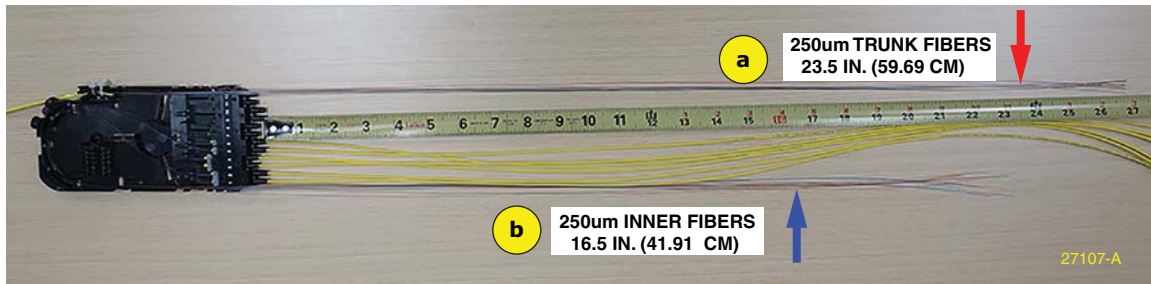


Figure 16. Trimming Feeder Fibers

17. Install splice protectors (provided) on all fibers being spliced. Protectors should be 40 mm maximum length ([Figure 17](#)).

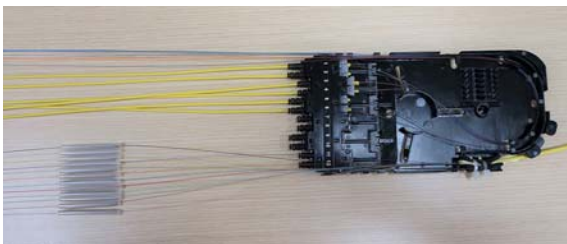


Figure 17. Splice Protectors

18. Strip, clean, and splice fibers following recommended method ([Figure 18](#)).

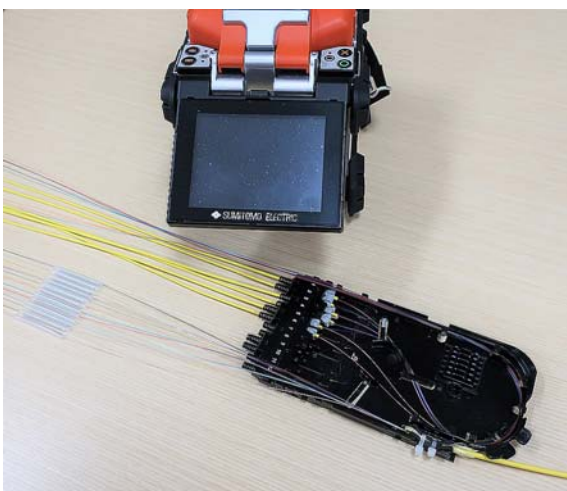


Figure 18. Typical Splice Setup

19. Carefully wind fibers with completed splices back into the cassette. Gather together fibers with completed splices. Individually wind fibers carefully in the cassette ([Figure 19](#)).

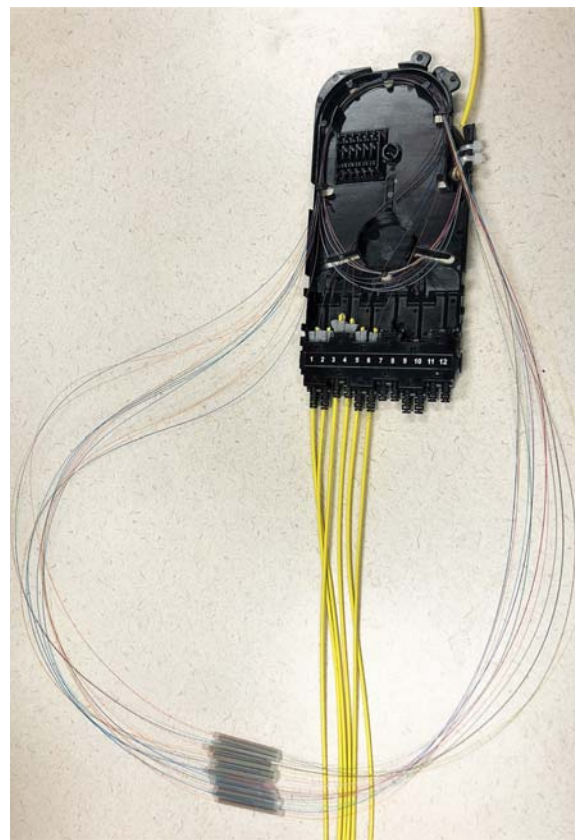


Figure 19. Winding Fibers Back Into Cassette

- Place splices in splice holder. Take care to ensure fibers are wound neatly within the cassette with none protruding from side. Splices may be double-stacked within the splice chip (Figure 20).

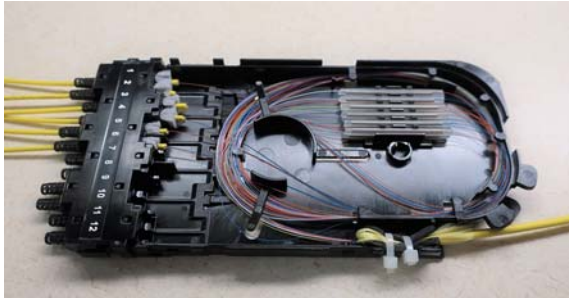


Figure 20. Splices in Cassette

- Place cover into position and press down to snap it into place on the five tabs, as shown in Figure 21. Apply blank connection ID label as needed.

Caution! *Prior to re-installing cover, carefully inspect routing to ensure all fibers are secured below retaining tabs and that fibers do not extend onto the ledge designated for the cover.*

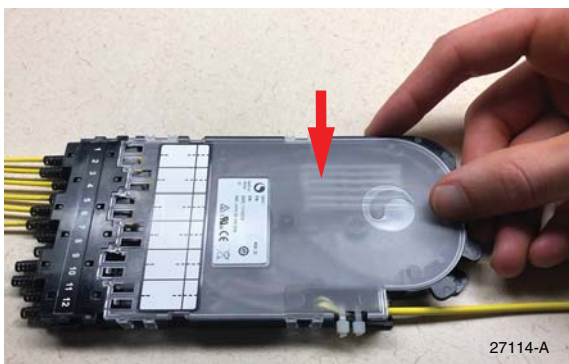


Figure 21. Re-Installing Cover

- To install splice cassette in CHD panel, unlatch drawer blade and pull it rearward. Install splice cassette, pressing down to snap cassette into place.

Note: It may be necessary to fully remove the blade.

Route fibers as directed in CHD Panel Quick Start and User Manual (available using QR code on page 1). Reinstall drawer blade when done.



Figure 22. Installing Cassette in CHD Panel

Contact Information

- To find out more about CommScope® products, visit us on the web at www.commscope.com
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