SPLICE CASSETTE ASSEMBLY

1. Route the pigtail fibers inside of the splice cassette. Create two-and-a-half (2.5) loops around the bottom of cassette by rotating the cassette counter clockwise (Figure 11).
2. Mount the splice sleeve holder assembly on the cassette base (Figure 12).
3. Route the incoming fibers into the cassette on top of the pigtail fibers. Wrap the fiber one (1) time around the base (Figure 13).
4. Place the cable mounting clip onto the incoming fiber in the correct opening – 3 mm or 900 µm (Figure 14).
5. Mount the incoming fiber into the module using the mounting clip into the center slot. Cable jacket should extend just beyond the chamber wall (Figure 15).
6. Place the plastic cover over the module and slide it forward to lock it into place (Figure 16).

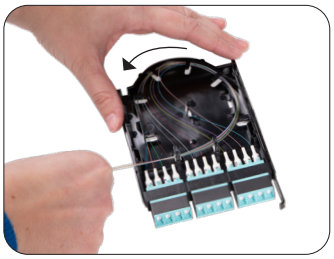


Figure 11

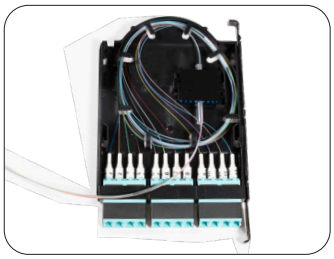


Figure 12

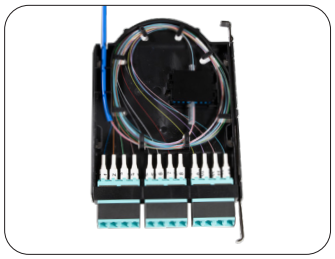


Figure 13

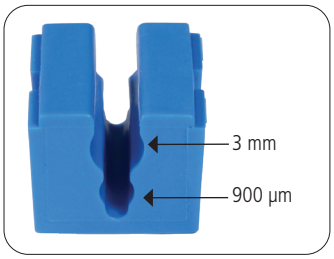


Figure 14

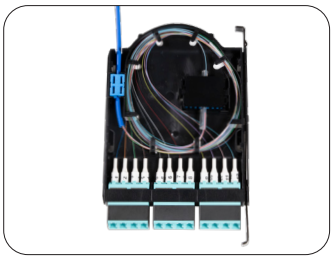


Figure 15

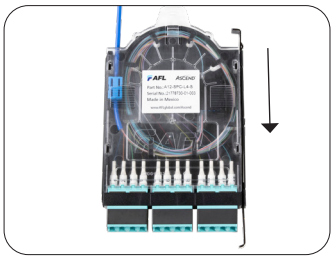


Figure 16

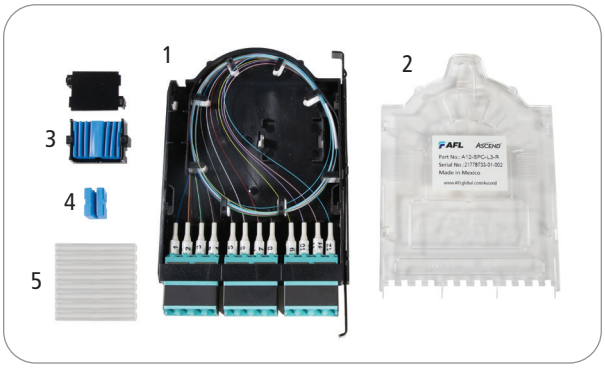
To install the cassette into an ASCEND housing, follow the procedure outlined in the ASCEND Cassette Installation Instructions.

Note: A separate cable mounting bracket kit should be used to secure the cable to the side of the housing.

ASCEND® SPLICE CASSETTE INSTALLATION INSTRUCTIONS

This document provides installation instructions for the ASCEND Splice Cassette.

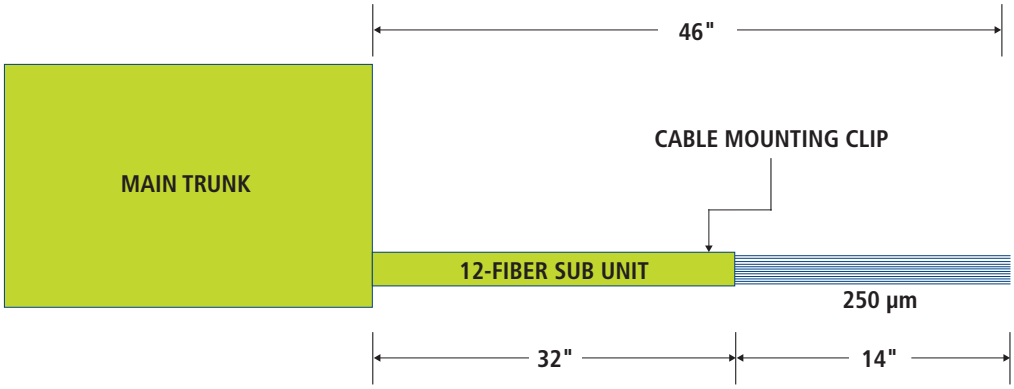
MATERIALS



1. Cassette Housing with Pigtails
2. Clear Plastic Cover
3. Splice Holder Kit
4. Cable Mounting Clip
5. Splice Sleeve Kit

Required Tools: Fusion Splicer, Ring Cutter, Sheers, Tape Measure

INCOMING FIBER PREPARATION (INSIDE PLANT CABLE)



1. Measure and ring cut 46" from the end of the main cable trunk.
2. Remove 4-6" of cable sheath to expose the rip cord and subunits.
3. Split the cable sheath by pulling the rip cord towards the end of the cable. Remove the split cable sheath.
4. Remove any loose aramid yarn and rip cords.
5. Label each sub-unit as necessary.
6. With the subunits exposed, measure and ring cut 14" from the end of each subunit to expose the fiber.
7. Ensure sub-unit tubing is located accordingly. Sub-unit tubing should extend just beyond the splice chamber wall when entering cassette (Figure 1).

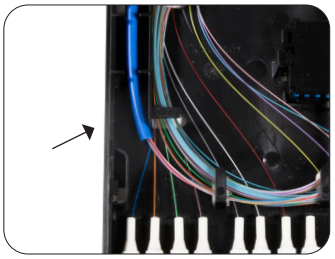
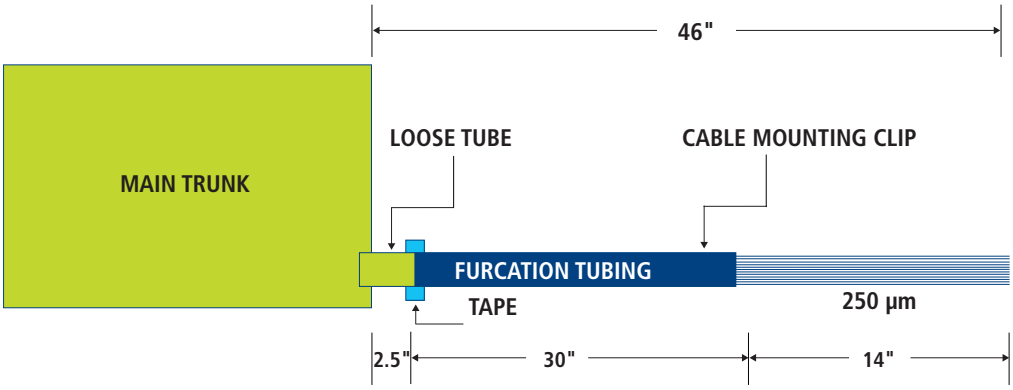


Figure 1

INCOMING FIBER PREPARATION (OUTSIDE PLANT CABLE)



1. Cut supplied furcation tubing to 30" before starting the cable preparation process.
2. Measure and ring cut 46" from the end of the main cable trunk. Remove cable jacket.
3. Measure and mark the buffer tubes 2.5" in front of the ring cut.
4. At the 2.5" mark, score and remove the buffer tube segment. Thoroughly clean the 250 µm fiber.
5. Slide each group of 250 µm fibers through a furcation tube. The furcation and buffer tube should overlap 0.5".
6. Secure furcation tubing to buffer tube with tape or heat shrink.
7. Label each sub-unit as necessary.
8. Ensure furcation tubing is located accordingly. Furcation tubing should extend just beyond the splice chamber wall when entering cassette (Figure 2).

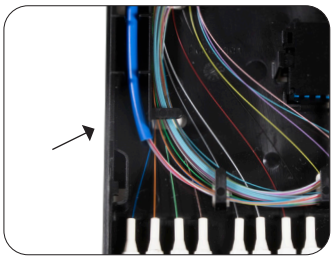
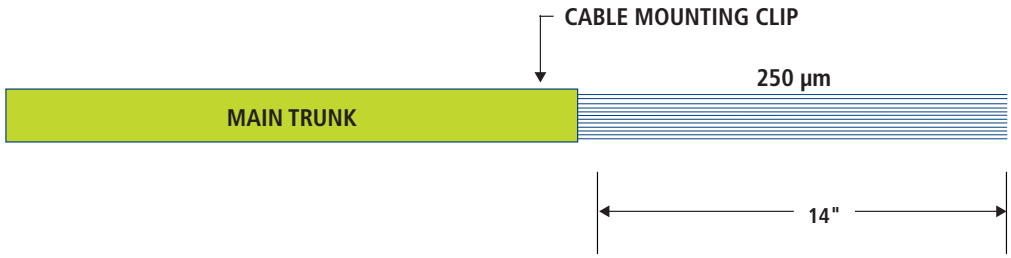


Figure 2

INCOMING FIBER PREPARATION (eABF® AIR-BLOWN FIBER)



1. Measure and mark the eABF 14" from the end of the main cable trunk
2. Using wire stripping pliers score and remove the 14" eABF outer jacket segment
3. Cut the aramid yarn back to the cable sheath cut.

FIBER SPLICING

1. Orient the splice cradle for single or mass splicing (Figures 3 and 4, respectively).
2. Organize the prepared incoming fiber and pigtails on a suitable work surface.
3. Measure and mark the pigtails 27" from the connector boot and cut the fibers (Figure 5 and 6).
4. Slide the splice sleeves onto the pigtails (Figure 7).
   Note: single splice sleeves are 28 mm sleeves. Set Splicer heater accordingly.
5. Prepare the matched incoming and pigtail fibers for splicing: Strip, Clean, and Cleave. Secure the prepared fibers in the splicer.
6. Splice Fibers. Position splice sleeve over exposed fiber and use heater to shrink the sleeve. Repeat for all matched incoming and pigtail fiber pairs (Figure 8).
7. Place each splice sleeve into the splice cradle (Figure 9).
8. Attach the splice holder assembly cover once all the splice sleeves have been inserted (Figure 10).

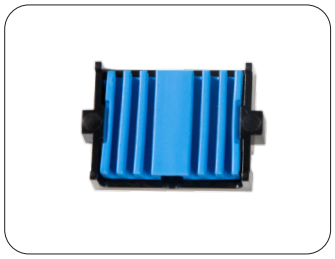


Figure 3

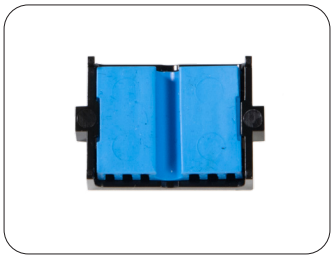


Figure 4

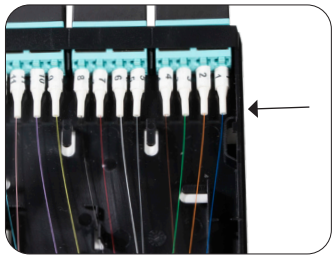


Figure 5

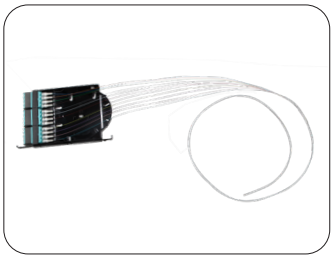


Figure 6

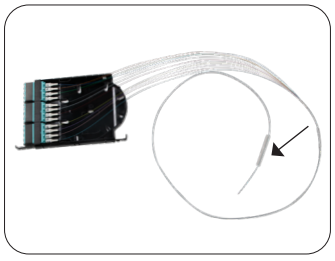


Figure 7

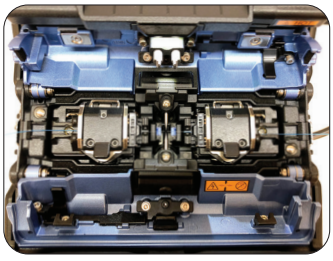


Figure 8

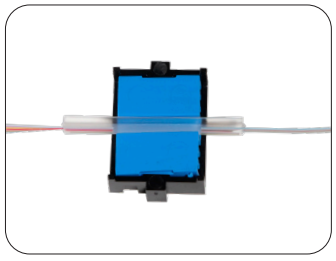


Figure 9

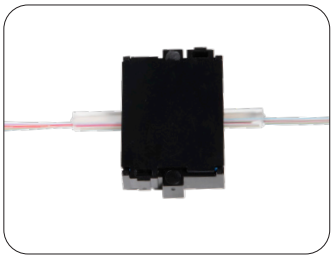


Figure 10