



INSTALLATION INSTRUCTIONS

1. PREPARING THE FIBER

Locking Tab >>



Locking Tab



Figure 1: 900µm

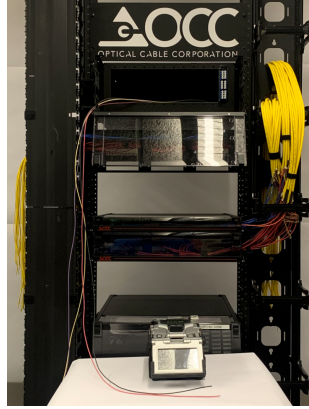


Figure 2: 250µm

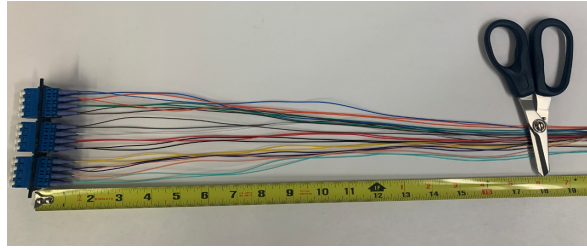


Figure:3

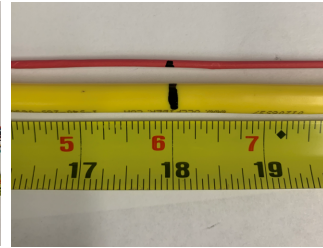


Figure: 4

Pull fiber cables from the rear through the front of the bulkhead down to your splicing station for preparation (Figures 1 and 2). Fiber slack storage is dependant on installation application, see step 5 for additional instructions. Remove the splice cassette adaptor plate and pigtail assembly, measure and cut pigtail lengths to 18 inches (Figures 3). Measure and mark the fiber cable at 18 inches, remove outer jacket revealing 250/900µm fibers (Figure 4). **Slide 40mm splice sleeve over each fiber pigtail before splicing.**

2. Splicing

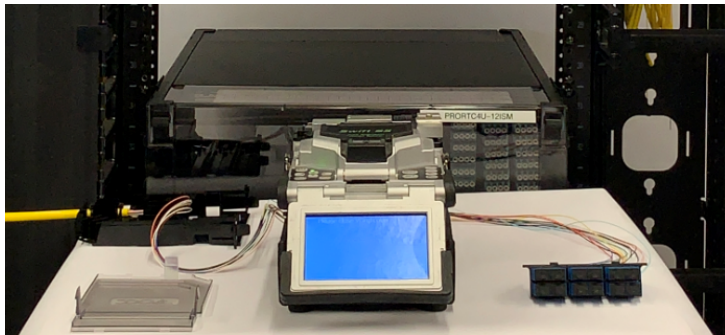


Figure 5: 900µm

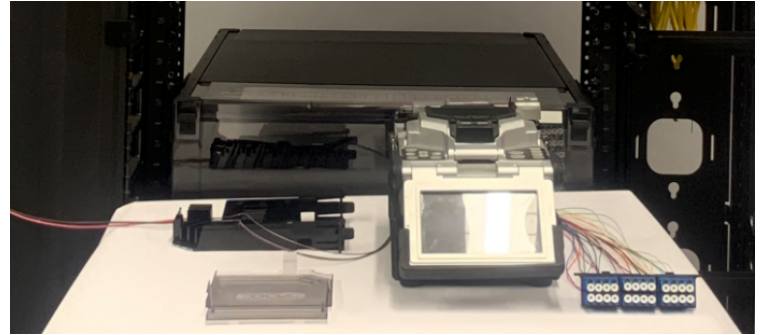


Figure 6: 250µm

Strip and Splice the fiber pigtails and fiber cable per the fusion splicers recommended procedure. Splice the fiber pigtail to the corresponding color on the fiber cable (Figure 6 and 7). For splice protection, shrink 40mm splice sleeves in fusion splicer oven based on recommended procedure.

3. SPLICE MANAGEMENT/PIGTAIL PREPERATION



Figure 7:



Figure 8:



Figure 10:



Figure 9:



Figure 11:

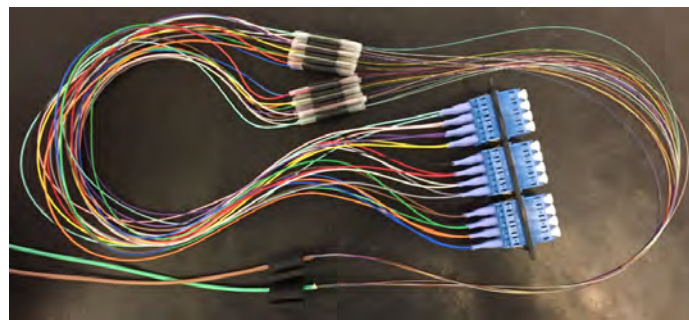


Figure: 12

Remove Splice Holder Block (Figure 8) and Cable Retention Grommet (Figure 9) from the splice cassette (Figure 7). Insert the fusion splice sleeves within the splice block holder (Figure 10), for 6 fiber applications load splice sleeves in the bottom 6 positions. The cable retention grommet is designed to retain 2, 3 and 5mm cable from bottom to top respectively (Figure 11). Final cable assembly should resemble Figure 12.

INSTALLATION INSTRUCTIONS SPLICE CASSETTE

4. SECURING CABLE ASSEMBLY IN CASSETTE

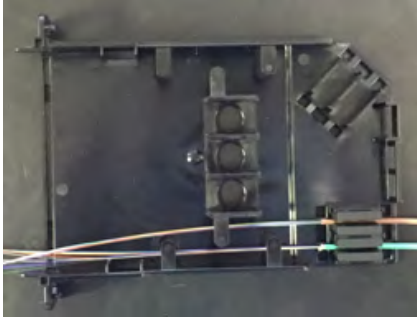


Figure: 13



Figure: 14

Fiber cables are secured in the cassette by two methods. For 2, 3, 5mm cables insert the the cable retention grommet into the nest at the straight or angled entry (Figure 13). For 12 and 24 fiber 900um cables, secure cable by using cable ties at the entry point utilizing provided through holes (Figure 14) . For larger 900um fiber cables, see figures 20- 22 and instructions.

5. FIBER ROUTING

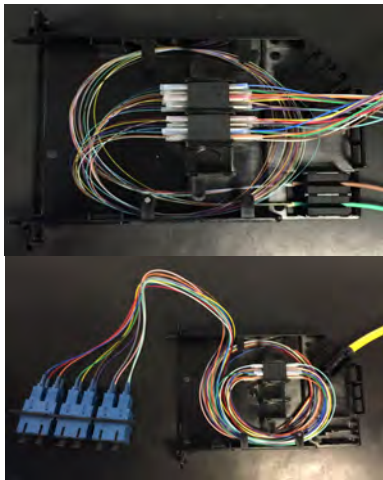


Figure: 15

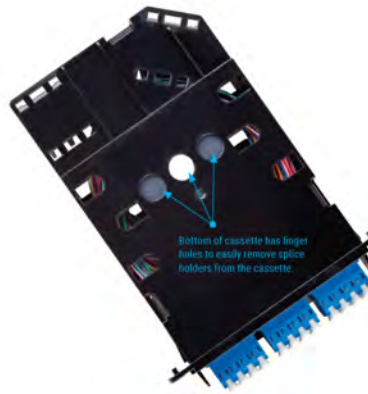


Figure: 16

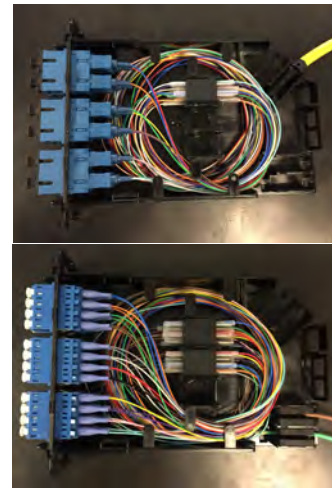


Figure: 17

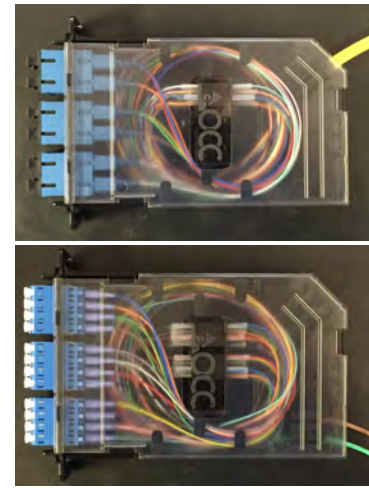


Figure: 18

After Securing your fiber cable, route all fiber bundles together into the fiber channel clockwise approximately two revolutions then insert the splice sleeve holder(s) into the nest in the center of the fiber splice cassette (Figure 15). If splice sleeve holder needs to be removed, use finger holes to push rubber splice blocks up to extract (Figure 16). Continue to route the cable clockwise approximately two more revolutions and seat the front removable adaptor plate (Figure 17). Check all the fiber routing to make sure there is no sharp bends or tight loops, and that there is clearance for the cassette cover so fiber is not damaged during cover installation. Snap the cover into place using the three secure tabs (Figure 18). NOTE: In case of trouble shooting or rework, each individual fiber can be routed separately.

6. FIBER SLACK STORAGE



Figure: 19

For 2/3mm subunits a total of 114" maximum can be pulled through the front of the enclosure. 18" will be stripped and stored in the cassette, and 96" (approximately 2 loops) can be stored under cassettes in a large circular pattern utilizing the Velcro bridge lances in the front and rear of the cabinet (Figure 19). For 900um, cable slack storage will be stored outside the enclosure per BICSI TDMM.



Figure: 20

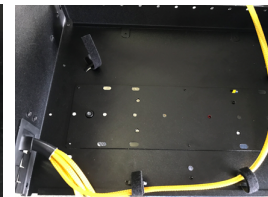


Figure: 21

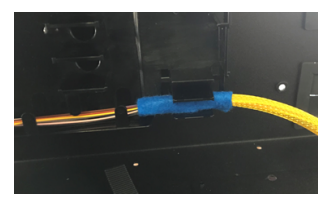


Figure: 22

For 900um cables larger than 24 fiber, strip off at least 60" of outer jacket, separate and slide on flexible tubing for each 12 fiber bundle. Use heat shrink or electrical tape and attach bundles to the outer jacket then mount cable as shown in (Figure 20). Route bundles across the rear of the fiber cabinet and start with furthest cassette and work toward cable entry (Figure 21). Mark each bundle where it enters the cassette removing extra tubing and leaving 18" of 900um inside cassette. Wrap blue felt around tubing, splice 900um cable to pigtails (Figure 22), wrap all cable inside cassette and zip tie cable to cassette