DENALI™ SINGLE FIBER SPLICE CASSETTE

FOR PANEL INSTALLATION INSTRUCTIONS

REQUIRED TOOLS AND MATERIALS

1. Fusion Splicer
2. Fiber Cleaver
3. Fiber Wipes
4. Fiber Preparation Fluid
5. Splice Protection Sleeves
6. Permanent Marker
7. Cutter
8. Aramid Scissors
9. Jacket Stripper
10. Tape Measure

PREPARE CABLE FOR SINGLE FIBER SPLICE CASSETTE INSTALLATION

Determine the number of duplex LC ports, then refer to Table 1 for Feeder and Pigtail Lengths. Feeder Strip Length is the recommended length of fiber to bring into the cassette. Feeder Cut Length and Pigtail Cut Length are measured from the front of the cassette and is the recommended cut length for the initial splice. A maximum of one (1) rework is allowed per splice.

Table 1

Port Size	Feeder Strip Length	Feeder Cut Length	Pigtail Cut Length	Fiber Inside Denali Panel
6 Port	25 in. (63.5 cm)	17.25 in. (43.8 cm)	20.5 in. (52 cm)	21 in. (53.3 cm)
8 Port	27.25 in. (69.2 cm)	19.5 in. (49.5 cm)	22.25 in. (56.5 cm)	21 in. (53.3 cm)

SINGLE FIBER SPLICE CASSETTE INSTALLATION

1. Remove cassette cover. Using thumb and finger, disengage rear tab by lifting and pulling backward to remove the cover. **(Figure 1)**

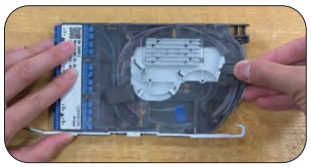

Figure 1

2. Prepare to place feeder fiber in cassette. Remove spool and splice holder from cassette, then remove and discard foam blocks. **(Figure 2)**

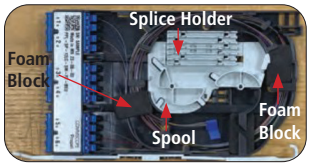

Figure 2

3. Unspool and extend pigtail fiber beyond front of cassette. **(Figure 3)**

Figure 3

4. Install feeder fiber in splice cassette. Strip fibers to recommended Feeder Strip length per Table 1. Leave approximately 1" (2.5 cm) of strength member. Secure cable tie around fiber and strength member. **(Figure 4)**

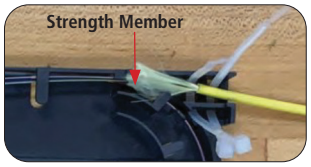

Figure 4

5. Optional: Wrap smaller diameter cable and strength member with provided gray foam for better securement. **(Figure 5)**

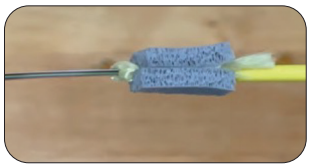

Figure 5

6. Snip off ends of cable ties close to head. **(Figure 6)**

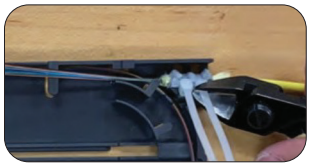

Figure 6

7. Push the head downward until it is below the top of the cassette wall. **(Figure 7)**

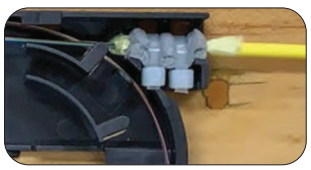

Figure 7

SINGLE FIBER SPLICE CASSETTE INSTALLATION

8. Measure and trim pigtail and feeder. Extend feeder fibers beyond the front of the cassette base, then measure and trim pigtail and feeder to specified cut length per Table 1. **(Figure 8)**

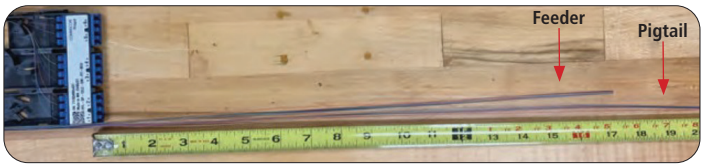

Figure 8

9. Install splice protectors on all fibers to be spliced. Use provided splice protectors. Splice protector length should be 45 mm maximum. **(Figure 9)**

Figure 9

10. Splice feeder and pigtail fibers. Strip, clean, and splice fibers following recommended method. **(Figure 10)**

Figure 10

11. Prepare to load splice protectors. Locate "P" and "F" marking on spool. When loading splice protectors, ensure pigtail is exiting spool through the side with "P" marking and the feeder is exiting through the side with "F" marking. **(Figure 11)**

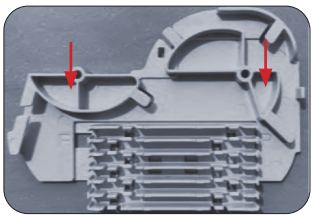

Figure 11

12. Load splice protectors into splice holder. **(Figure 12)**

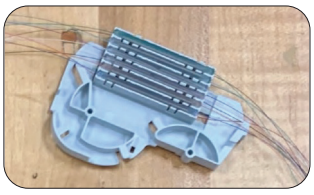

Figure 12

13. Utilizing the spool fiber fingers, route pigtail fibers counterclockwise until feeder and pigtail fibers converge. **(Figure 13)**

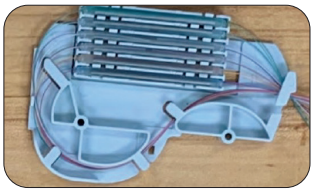

Figure 13

SINGLE FIBER SPLICE CASSETTE INSTALLATION

14. Route fibers into base. Position spool to prepare for routing. **(Figure 14)**

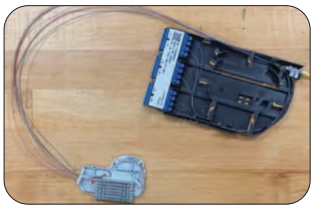

Figure 14

15. Route pigtail and feeder fibers counterclockwise starting along the outer walls and working toward the center of the cassette. **(Figure 15)**

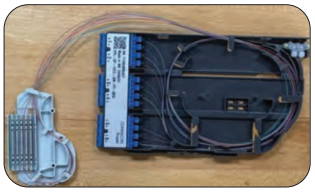

Figure 15

16. Line up the pegs on the cassette base with the mounting holes on the spool to finish routing. **(Figure 16)**

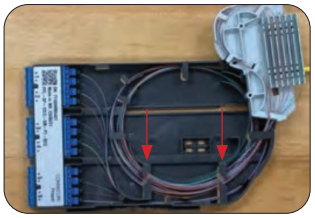

Figure 16

17. Insert spool into base and ensure all fibers are under retaining fingers. **(Figure 17)**

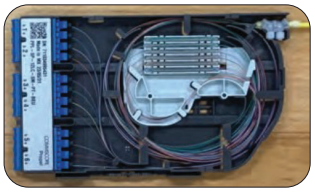

Figure 17

18. Install cover by aligning the tabs on the cover with the slots near the front of the cassette base. **(Figure 18)**

Figure 18

19. Lay the cover flat on the base and ensure all the tabs on the side of the cover and bases are lined up. With one hand holding the cassette base, push cover forward with other hand to engage tabs. Double check the rear tab is also engaged to prevent the cover from sliding off. **(Figure 19)**

Figure 19