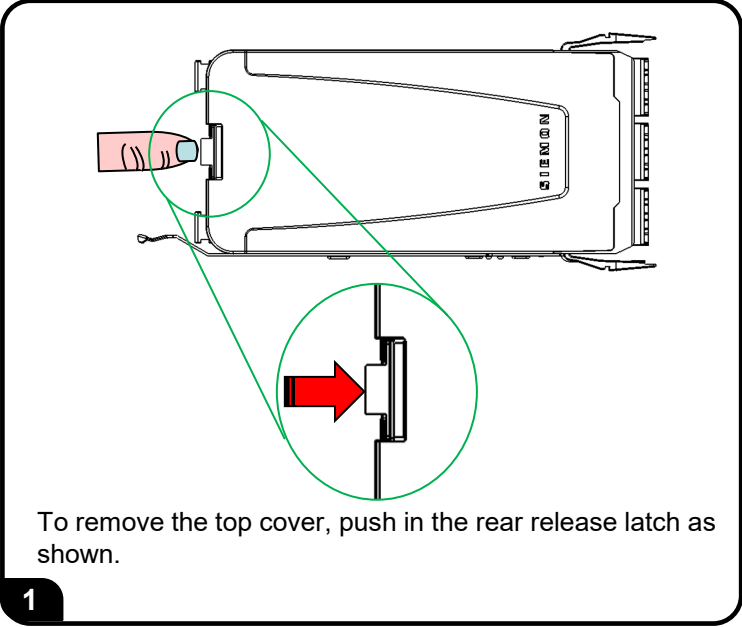
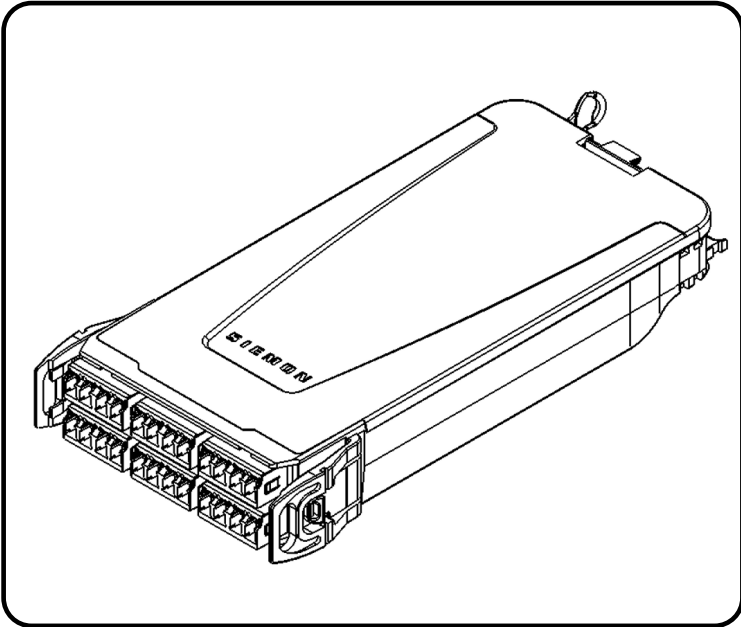
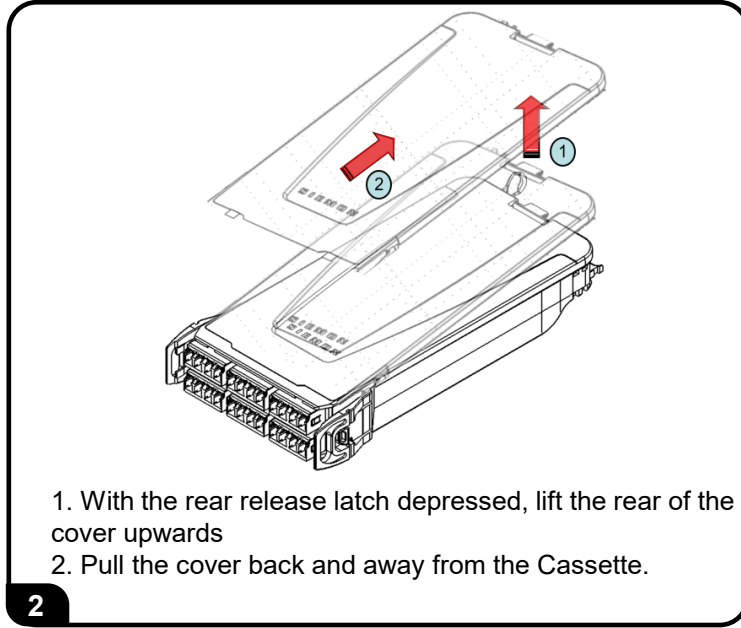


# LightVerse 900-micron Splice Cassette Instructions



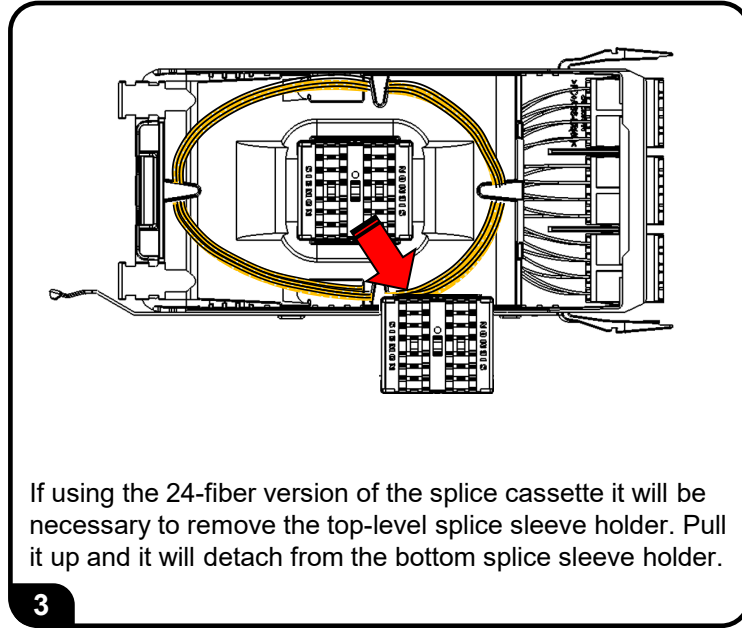
To remove the top cover, push in the rear release latch as shown.

1



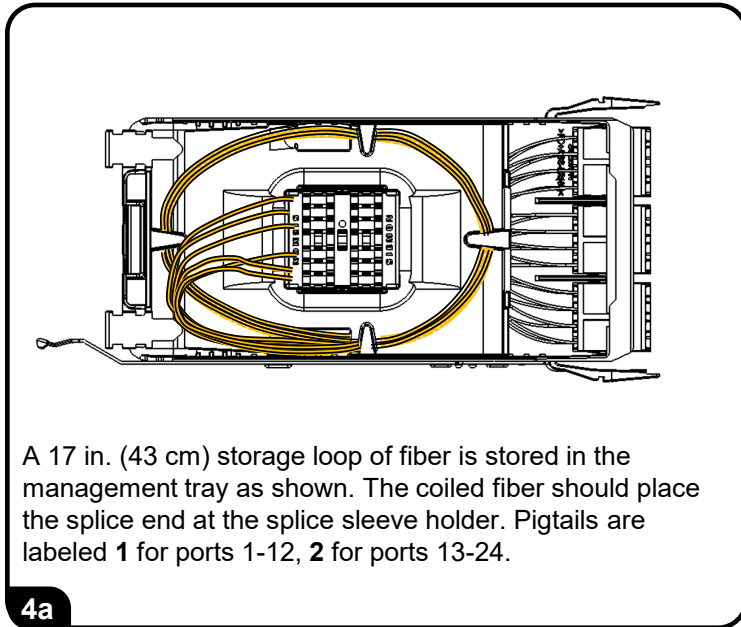
1. With the rear release latch depressed, lift the rear of the cover upwards
2. Pull the cover back and away from the Cassette.

2



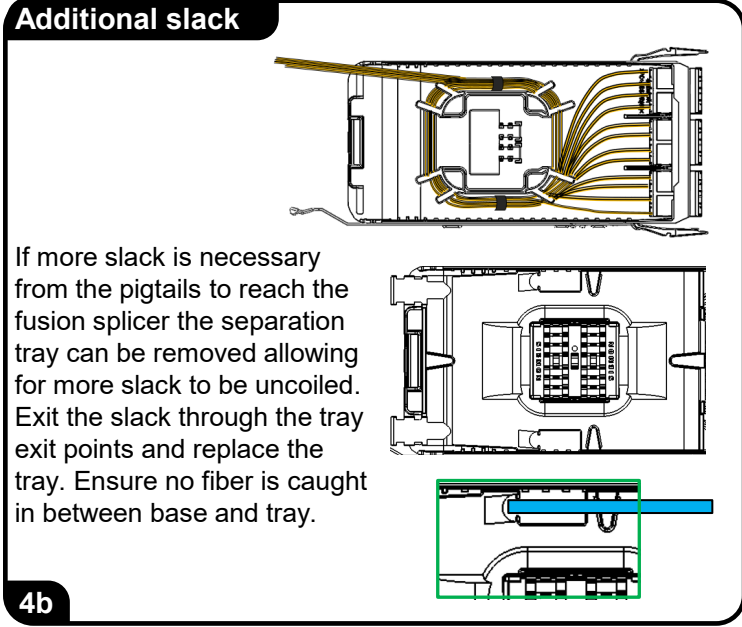
If using the 24-fiber version of the splice cassette it will be necessary to remove the top-level splice sleeve holder. Pull it up and it will detach from the bottom splice sleeve holder.

3



A 17 in. (43 cm) storage loop of fiber is stored in the management tray as shown. The coiled fiber should place the splice end at the splice sleeve holder. Pigtails are labeled 1 for ports 1-12, 2 for ports 13-24.

4a

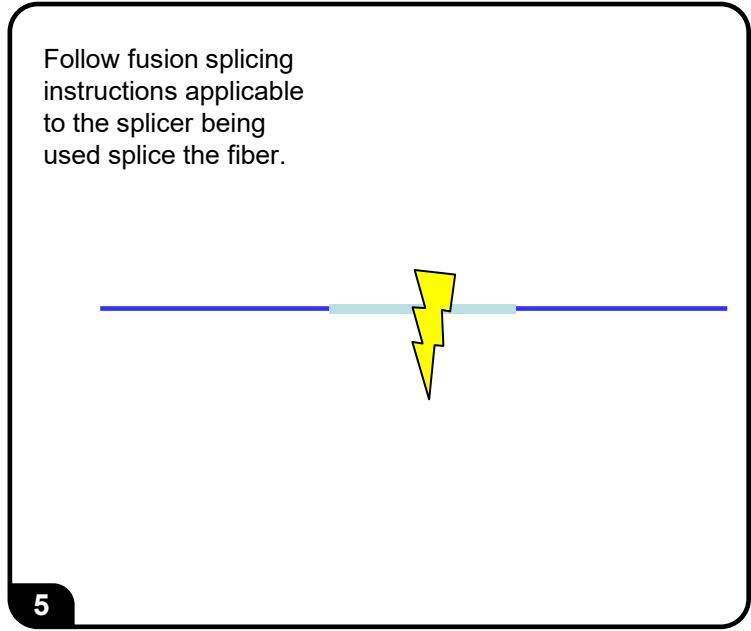
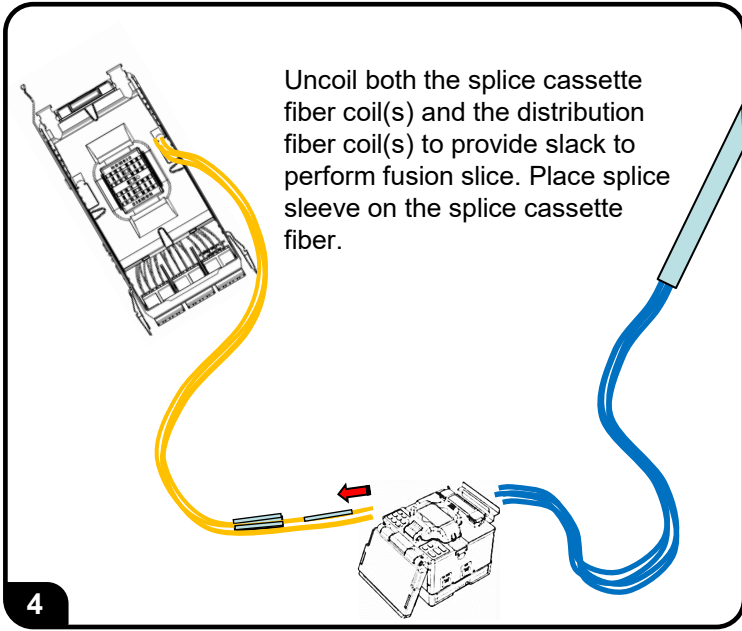


## Additional slack

If more slack is necessary from the pigtails to reach the fusion splicer the separation tray can be removed allowing for more slack to be uncoiled. Exit the slack through the tray exit points and replace the tray. Ensure no fiber is caught in between base and tray.

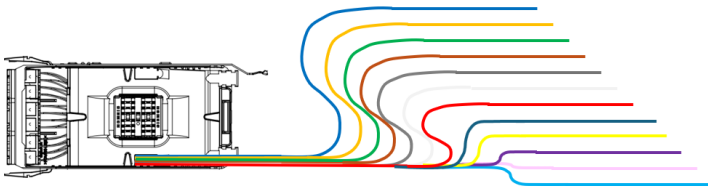
4b

# LightVerse 900-micron Splice Cassette Instructions

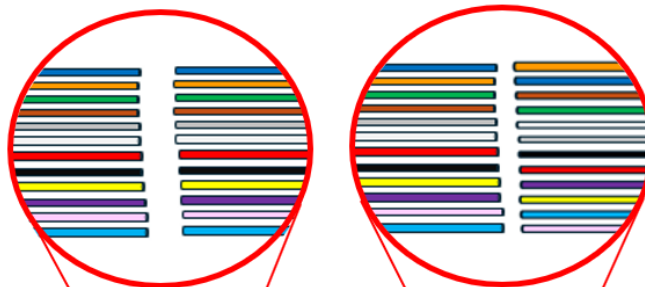


To Implement reverse-pair positioning which is recommended in the TIA 568.3 Standard and the Siemon CI Installation manual, follow this color chart which manages the TX to RX / Reverse Pair positioning within the fiber cassette. This requires splicing different colors together on the far end.

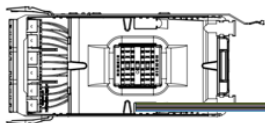
TIA 569-3 Standard Colors			
Fiber Unit/ port number	Fiber Color Near end cassette	Cable	Fiber Color Far end cassette
1	Blue	Blue	Orange
2	Orange	Orange	Blue
3	Green	Green	Brown
4	Brown	Brown	Green
5	Slate	Slate	White
6	White	White	Slate
7	Red	Red	Black
8	Black	Black	Red
9	Yellow	Yellow	Voilet
10	Voilet	Voilet	Yellow
11	Rose	Rose	Aqua
12	Aqua	Aqua	Rose



**Fiber Polarity**

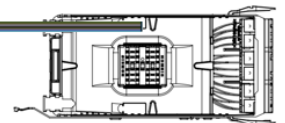


Near End Side Cassette



Fiber Cable

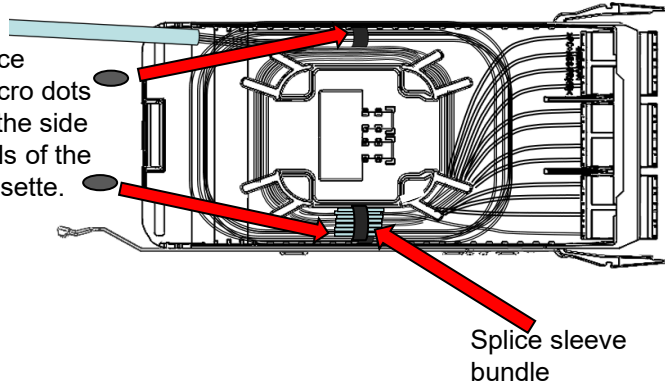
Far Side Cassette



**Fiber Polarity**

# LightVerse 900-micron Splice Cassette Instructions

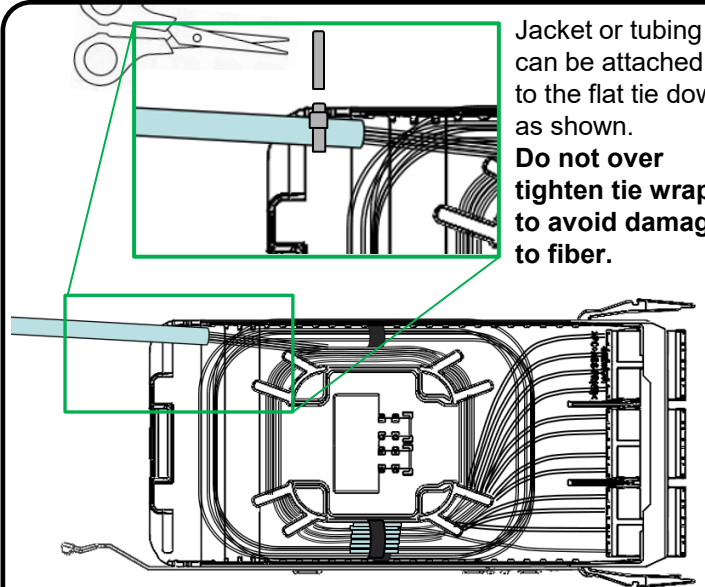
Place Velcro dots on the side walls of the cassette.



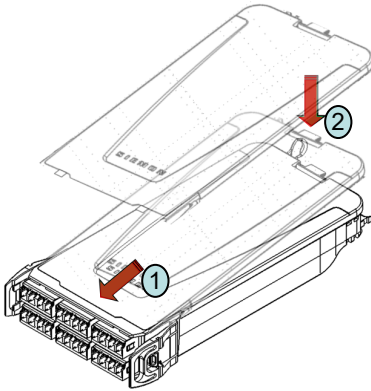
Carefully coil the spliced fiber as shown and secure the coil with Velcro and secure to the Velcro dots on the side wall. Note: splice sleeves are grouped together and secured with a Velcro strip.

6

Jacket or tubing can be attached to the flat tie down as shown. **Do not over tighten tie wraps to avoid damage to fiber.**



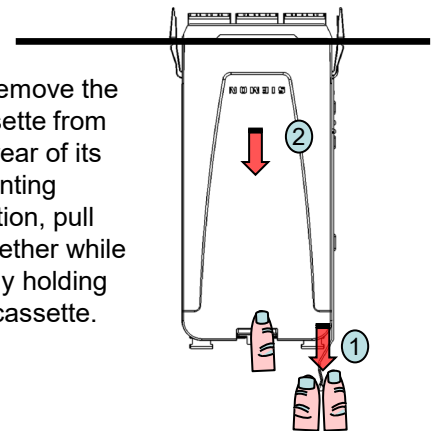
7



Place the cover back in place on the cassette being careful not to pinch fibers between the cassette and cover when snapping into place. Follow instructions from Lightverse enclosures and panels to install the cassettes.

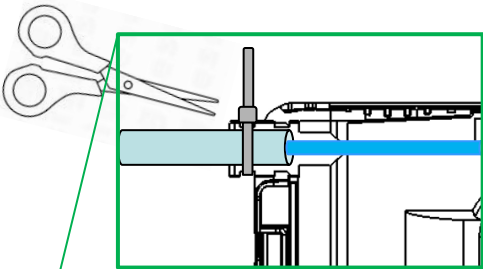
8

To remove the cassette from the rear of its mounting position, pull the tether while lightly holding the cassette.

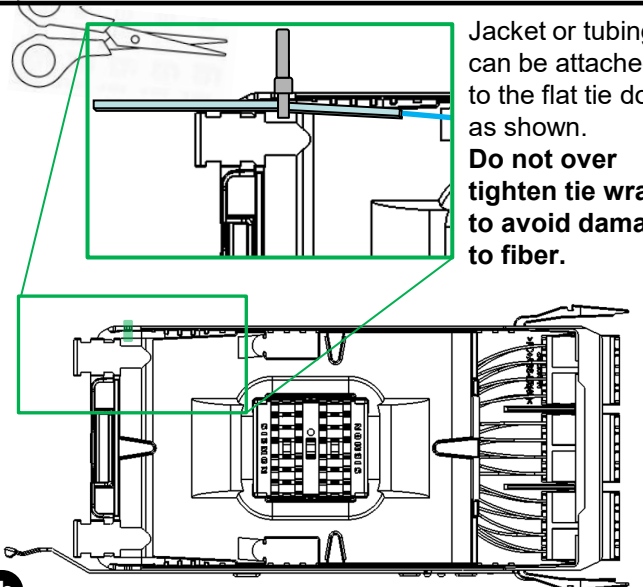


9

Jacket or tubing can be attached to the round tie down as shown. **Do not over tighten tie wraps to avoid damage to fiber.**



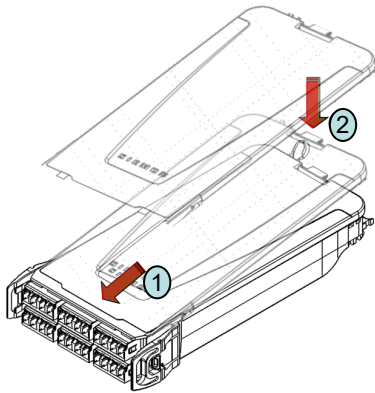
Jacket or tubing can be attached to the flat tie down as shown. **Do not over tighten tie wraps to avoid damage to fiber.**



11a

11b

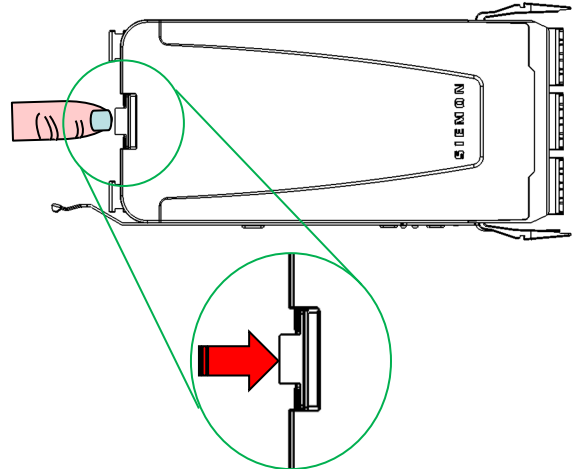
# LightVerse 900-micron Splice Cassette Instructions



Place the cover back in place on the cassette being careful not to pinch fibers between the cassette and cover when snapping into place. Follow instructions from Lightverse enclosures and panels to install the cassettes.

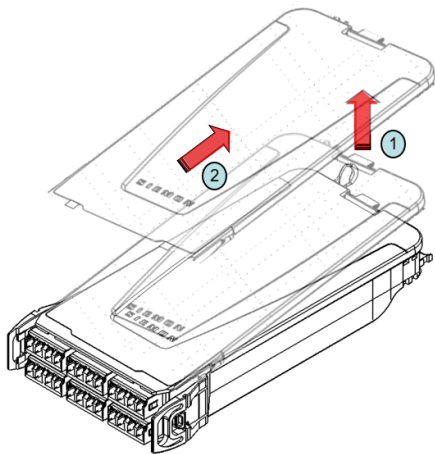
12

## Alternative coiling method:



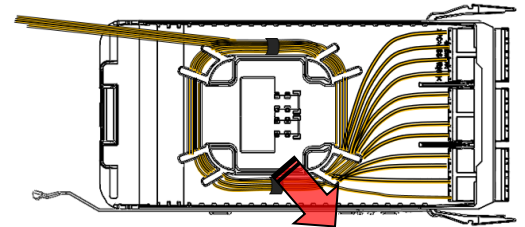
To remove the top cover, push in the rear release latch as shown.

1

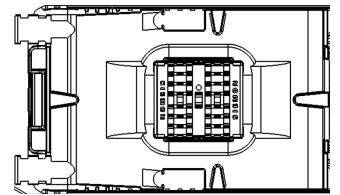


1. With the rear release latch depressed, lift the rear of the cover upwards  
2. Pull the cover back and away from the Cassette.

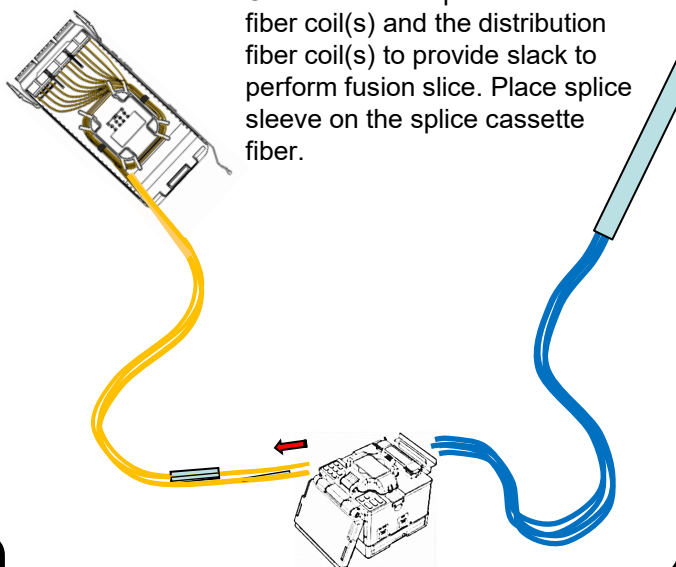
2



As an alternate termination method, the tray can be removed, and the spliced fiber can be coiled directly in the splice cassette. This provides a more simplified routing of the fiber.



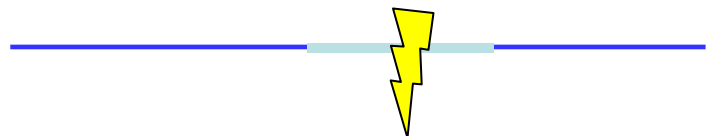
3



Uncoil both the splice cassette fiber coil(s) and the distribution fiber coil(s) to provide slack to perform fusion splice. Place splice sleeve on the splice cassette fiber.

4

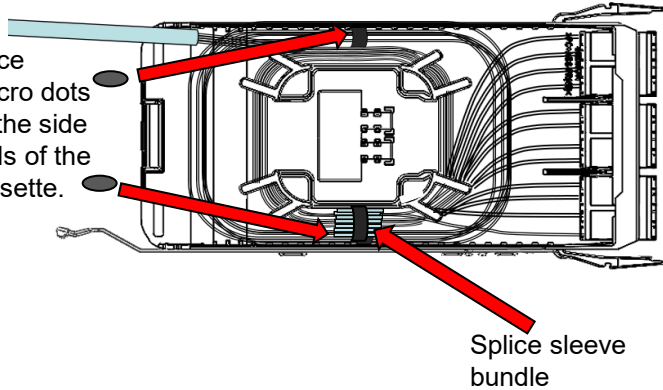
Follow fusion splicing instructions applicable to the splicer being used splice the fiber.



5

# LightVerse 900-micron Splice Cassette Instructions

Place Velcro dots on the side walls of the cassette.

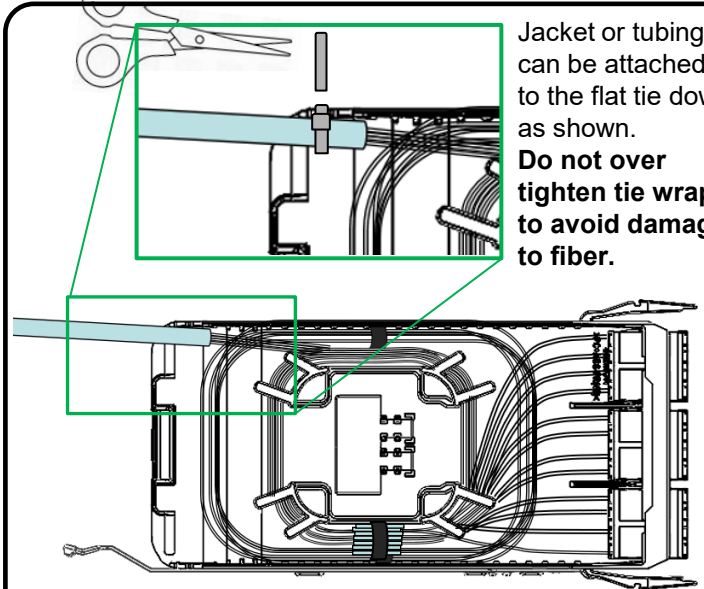


Carefully coil the spliced fiber as shown and secure the coil with Velcro and secure to the Velcro dots on the side wall. Note: splice sleeves are grouped together and secured with a Velcro strip.

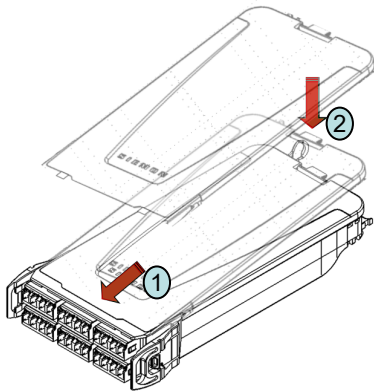
6

Jacket or tubing can be attached to the flat tie down as shown.

**Do not over tighten tie wraps to avoid damage to fiber.**



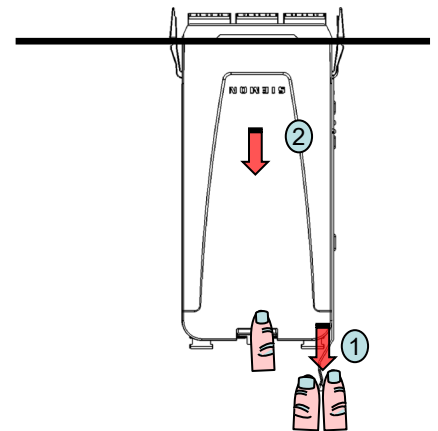
7



Place the cover back in place on the cassette being careful not to pinch fibers between the cassette and cover when snapping into place. Follow instructions from Lightverse enclosures and panels to install the cassettes.

8

To remove the cassette from the rear of its mounting position, pull the tether while lightly holding the cassette.



9

# LightVerse 900-micron Splice Cassette Instructions

**To assist safe installations, comply with the following:**

- A. Use caution when installing or modifying telecommunications circuits.
- B. Never touch uninsulated wire terminals unless the circuit has been disconnected.
- C. Never install this device in a wet location.
- D. Never install wiring during a lightning storm.

**Lors de l'installation, respectez les consignes de sécurité suivantes:**

- A. Utiliser avec prudence lors de l'installation ou de la modification circuits de télécommunications.
- B. Ne jamais toucher les bornes de fil métallique non isolés sauf si le circuit a été débranché.
- C. Ne jamais installer cet appareil dans un endroit humide.
- D. Ne jamais installer pendant un orage.

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