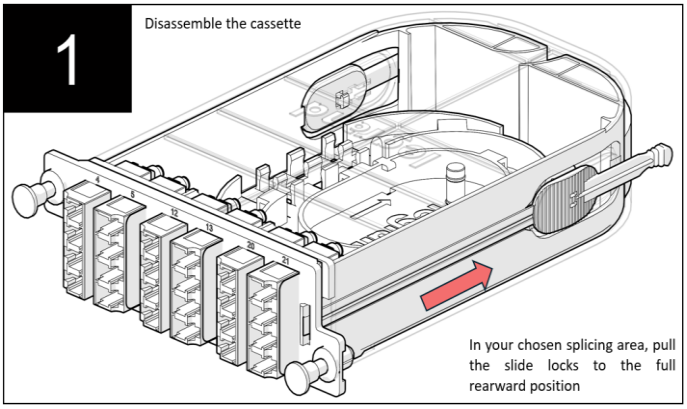
legrand®	WWW.LEGRAND.US	INSTRUCTION SHEET, M4 RIBBON FIBER SPLICE CASSETTE

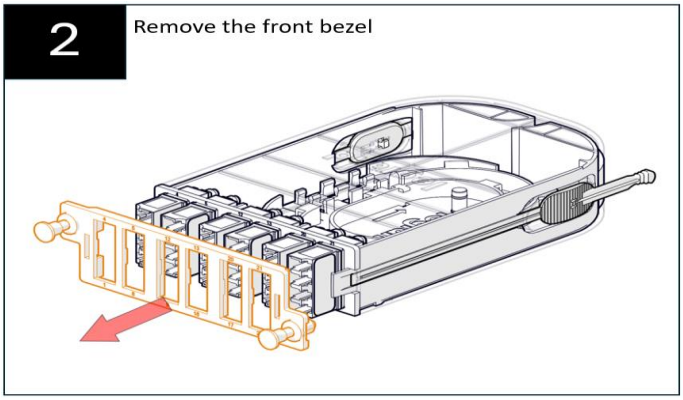
Splice cassette preparation

1 Disassemble the cassette



In your chosen splicing area, pull the slide locks to the full rearward position

2 Remove the front bezel



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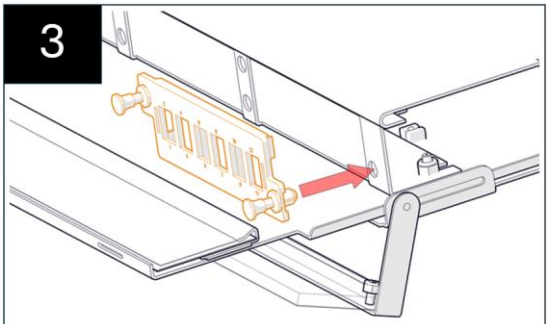
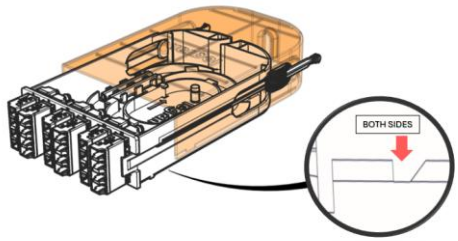


Bezel must be mounted into the target enclosure from the front to allow rear cassette insertion. Secure bezel in position with plunger.

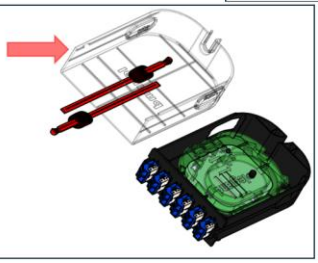
4 Pull outward on both sides of the cover front bottom corners; then slide the cover back, remove and set aside. Uncoil the internal harness from inside the cassette housing. Be careful not to lose the heat shrinks.



Set aside the band that secures the internal harness.

Tip

Utilize the splice cassette cover as a catch all for small parts that you remove during splicing.

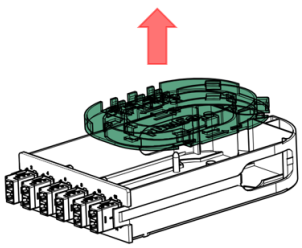


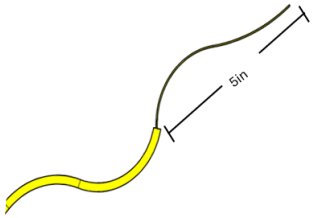
Prepare to splice

Place the splice cassette in a convenient location near the fusion splicer. Ensure that both the internal harness and the external cable fibers to be spliced are positioned to minimize cable handling and movement. Remove the retaining device and tray from the cassette.

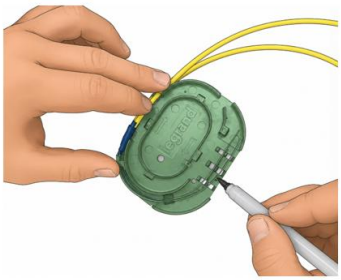
5 **External Ribbon Fiber preparation**

Measure and mark the ribbon at 5in. Strip off the outer jacket of the incoming fiber to expose the 5in marked. Remove any exposed aramid yarn. Add a friction tape on the end of the buffer cable.





6 Route the external cable around the splice tray. The cable jacket shall extend past the zip-tie location, as shown. Mark the ribbon at the splice holder location. This mark indicates the point where the ribbon coating shall be stripped.



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71601974	01	05892	7/09/2026	1 OF 2	RJG	03/02/2018	DMS	03/05/2018	RH	03/06/2018

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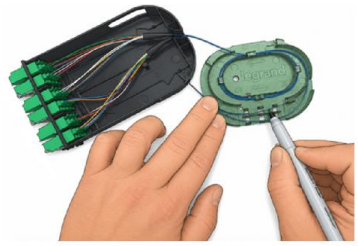
Reroute the internal harness two turns clockwise inside the channel. Mark the ribbon at the splice holder location. This mark indicates the point where the ribbon coating shall be stripped. Ensure that the ribbon enters the splice tray in a manner that allows it to fit properly inside the cassette.



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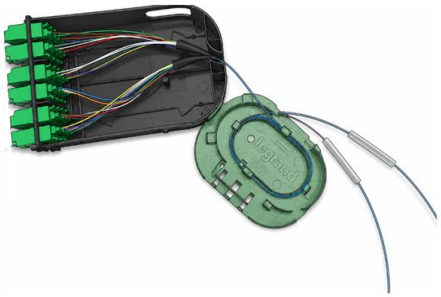
Prepare and cleave the external fiber. Partially remove the internal harness fibers from the cassette, then prepare and cleave them as well. Cleave the fiber ends to 10 mm.



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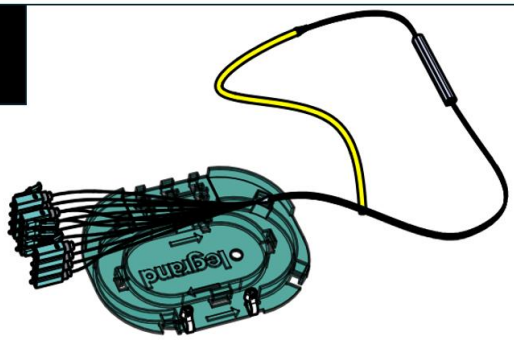

Splice the fibers, following the instructions associated with your specific fusion splicer, and then shrink the protective sleeve over the completed splice.

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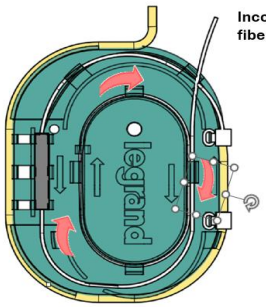

Reroute the internal fiber around the channel. Place the splice in the correct slot. After finishing, check for poor splices with a VFL.
Continue routing the external fiber around the splice tray. Secure it with zip ties.

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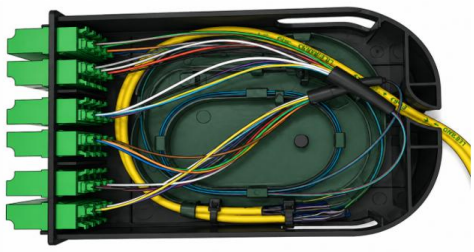
Reinstall the tray using the center screw, being careful not to pinch the fibers or exceed the bend radius. Finish wrapping the external fiber around the splice tray.



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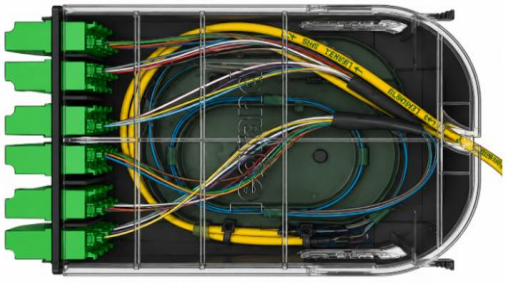
Route the external cable through the rear slots, then slowly slide the cover on, while ensuring no fibers are pinched.



Adjust any high fibers if needed, and snap the cover closed once everything is clear.

Mounting

Mate the completed cassette from the rear of the enclosure to the correct bezel mounted in the enclosure front. Once the cassette is snapped into place, push the slide locks to the full forward position. Installation is now complete.

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