

Fusion Splicing Termination

STEP 1

Take fiber strippers and prepare fiber cable. Strip fiber to leave approx 40mm bare fiber.



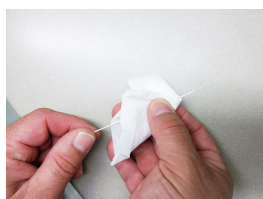
Approx 40 mm

Parts & Tools Required (or similar)

1. 6100-00030 | [DINTEK Fiber Stripper](#)
2. 6100-00025 | [DINTEK Fiber Cleaver](#)
3. 6100-00012 | [DINTEK Splice Protector](#)
4. 6100-00032 | [DINTEK Fiber Fusion Splicer](#)

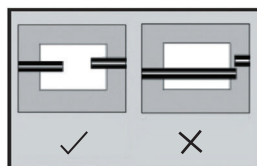
STEP 2

Place lint-free wipe with pure isopropyl alcohol between your thumb and forefinger, and wipe the fiber between them. Careful- do not break the fiber!



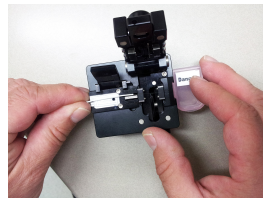
STEP 5

Fibers should be as close to fusion tip as possible. Lower clamps and close lid of fusion splicer.



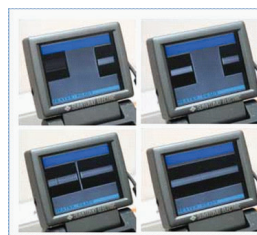
STEP 3

Cleave the first fiber using the process appropriate to the cleaver being used. Remember to pull cutter out prior to closing lid on fiber



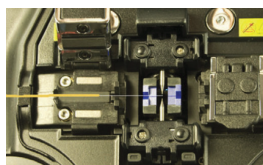
STEP 6

Once the lid is closed the fusion splicer will carry out an automatic fusion process, testing the fiber afterwards and displaying a final loss estimation.



STEP 4

Open first clamp on fusion splicer and place the fiber into the guides in the fusion splicing machine and clamp it in place

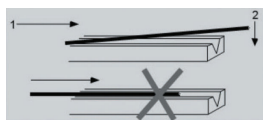


STEP 7

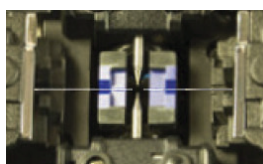
Next, open the lid of fusion splicer, open clamps and remove fiber. Slide protection sleeve over fiber and place fiber into oven slot.



Do not slide fibers along v-groove, instead, position the fiber over the v-groove and tilt downwards.



Once fiber is in place, repeat steps 1-4 on the second fiber, placing it under the second clamp.



STEP 8

Once in place press the "HEAT" button which will start the final automatic heating process.



Safety Comes First !

Always work in a clean and tidy area.

Fiber off-cuts are hard to see and can easily penetrate the skin.

Dispose of all fiber scraps immediately in a suitable disposal container.

Because of the dangers of ingesting a fiber, do not eat or drink in the termination area.

ALWAYS wear your eye protection

Fusion Splicing Termination Checklist

1. - Did you strip enough fiber (approx. 40mm) for the cleaving process?
2. - Were fiber scraps discarded in a suitable disposal pot?
3. - Were the fibers cleaned prior to cleaving and placing in splicer?
4. - Does the end of your fiber connector look similar to image below on completion of the splice?



4. - What was the dB loss reading from the splicer 0.2dB or lower?
5. - Are you satisfied with your splice?

DINTEK Recommends using our range of fusions splicer machines.



DINTEK