Eye Splice in Double Braided Lines

Video 1

* <https://www.youtube.com/watch?v=1GvXKiH1kLw>
* Tools required
  + Scissors, Fid, Marker, Splicing Tape
* Steps
  + Set lengths and prep
    - Tape the end of the line then cut off any fuse/whip that exists
    - Mark a point at one fid length from the end
    - Determine the size of the eye and mark a point B further up
    - Take the core out of the cover at point B
    - Mark the core where you take it out of the cover B’
    - Pull out more core
      * Mark a point one fid length from B’ as C’
      * Then ¾ fid past C’ mark point as D’
  + Weave the rope
    - Use fid to push cover through core from C’ to D’
      * Here this guy pushes fid all the way through first. Then embeds the rope in fid base. Then tapes the rope in and pull the fid all the way through.
      * Option to do it more step wise depending.
    - Cut the top off the cover once pulled through and out of D’. Taper the cover at 45 degrees and pull it back into core.
      * In other video the guy ties a knot to stop this from happening early
    - Now Lock core and cover with needle in between C’ and D’
    - Place core into fid and tape into place.
    - Push core through cover using a thin fid. Enter close to C’ and progress back to B
      * Let the fid exit around 10cm after point B
      * Pull a little core out of its loose exit to ensure you did not lock the core
      * Then pull the fid core all the way through and pull off the fid.
      * Now unlock the needle between C’ and D’ if present and milk the section that has core woven back in between C’ and B. Then milk from C’ to D’.
  + Settling the weave
    - Secure the standing line about two meters from the working end via a knot or a tie to a cleat.
    - Milk the cover back over the core slowly starting from the secured point.
      * You should watch the core get sucked into the entry point at B without directly touching it.
    - Now snip the excess core the was pulled through at the 10cm past B point. Milk and tug loop to pull back in.
  + Off video but then option to lock via stitching

Quick Video – 3 braided:

* <https://www.youtube.com/watch?v=UnpCyYlynIM>

Original Good Tutorial:

* <https://www.youtube.com/watch?v=q3m2FG12c5Q>

Best eye splice that I want to formalize:

* https://www.youtube.com/watch?v=n4tU2G31Bus

Deprecated tutorial with d splicer:

* <https://www.youtube.com/watch?v=O-QzPup-ZNw>
* Maybe useful for the quick whipping lock section

General commentary I’ve learned

* Docking lines are generally preferred to be nylon for its UV resistance but especially for its elasticity which helps absorb weather without taxing boat or marina hardware.
* Polyester can also be used and is what our original oversized jib lines were. Note that we specifically have a double braided polyester line with a polyester core.
* Dyneema is considered the best in class polyester for jib sheets and other sail related lines specifically for its lack of elasticity.
* In general I would want to buy nylon to make eye splices for the transient dock lines. However that is bench marking at around $300 for appropriately sized lines. Since this is a learned project and we won’t use the transient lines for some time, skipping.
  + From what I saw our dock lines should be 5/8 inch and somewhere between 2/3 and the length of our boat.