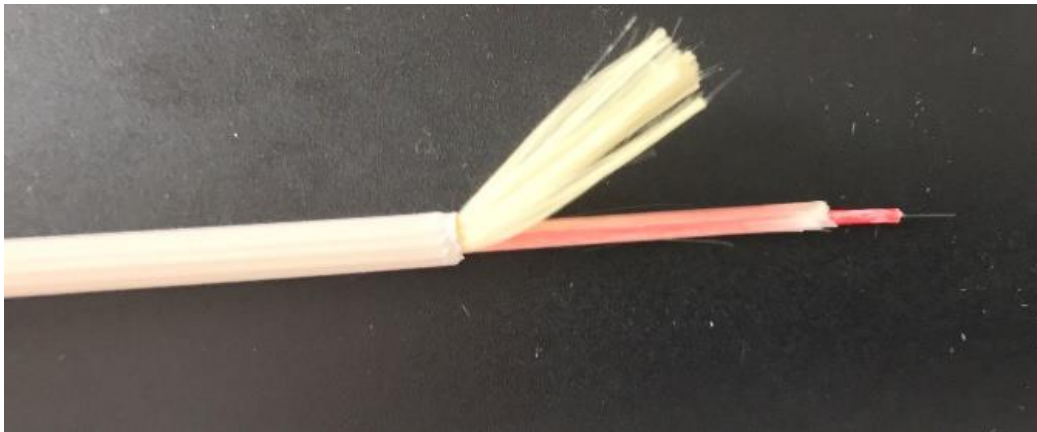


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Cable Preparation Instructions for Pushable Fiber Optic Cable



CommScope's Pushable Fiber has been designed with a 900-micron tight buffered fiber placed inside of a 1.5mm fiberglass strength member which serves as a protective sheath and guide for the optical fiber. This fiberglass strength member is surrounded by aramid yarn and a 5mm PE outer jacket. Follow the steps below to remove the outer jacket and fiberglass strength member and expose the 900-micron tight buffered fiber for termination.

Step 1:

Ensure you have the proper tools (see figure 1). The use of protective gloves and eyewear is recommended.



Figure 1: Cable preparation tools used include gloves, scissors, side cutters, needle nose pliers, and wire strippers

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Step 2: Mark the length

Mark the outer jacket to the strip length chosen. Strip length may vary depending on the application. Please refer to figure 2.



Figure 2: Measure and mark the outer jacket

Step 3: Remove the jacket

Strip the outer jacket with standard wire strippers using the 10 AWG setting. Compress strippers fully and rotate 180-degrees. Note: outer jacket may be easily removed in increments of 12-inches or less. Please refer to figure 3.

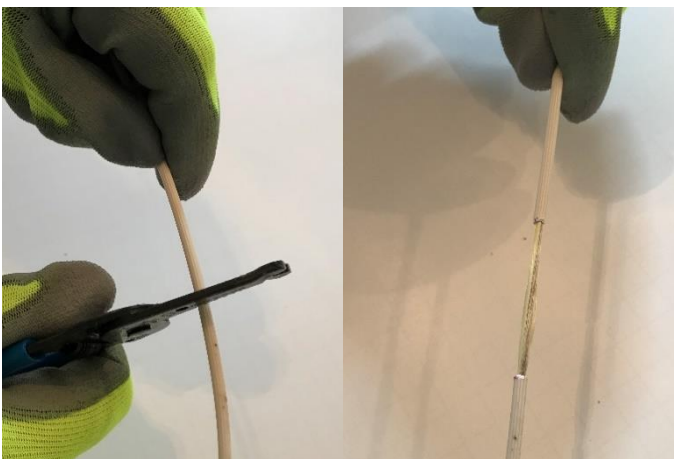


Figure 3: Strip off the outer jacket

Step 4: Crush and peel back

Once the outer jacket has been removed, separate the fiberglass central strength member from the 900-micron fiber by crushing the tip of the strength member (approximately 1/2-inch) using the flat portion of a needle nose pliers or similar tool (figure 4). Crushing the strength member will splinter the fiberglass into pieces and allow the strength member to be peeled/flayed back (figure 5).



Figure 4: Crush the tip

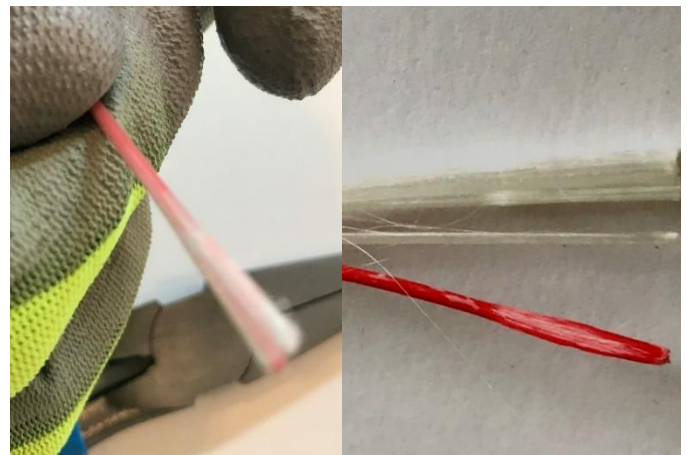


Figure 5: Peel back the strength member

Step 5: Cut the fiberglass

Carefully separate and peel the pieces of fiberglass back to expose the 900-micron (red) fiber. Cut the peeled portions of the fiberglass strength member flush with outer jacket. Please refer to figure 6.

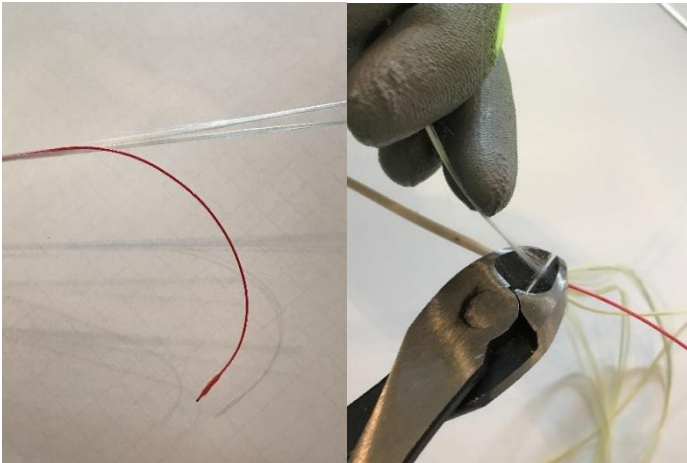


Figure 6: Separate and cut

Step 6: Cut the aramid yarn

Aramid yarn may be cut off flush with the outer jacket or cut to desired length if it will be used for strain relief. Cut off end of the 900-micron (red) fiber that was crushed in step 3 (see figure 7). The final, prepared cable is shown in figure 8.

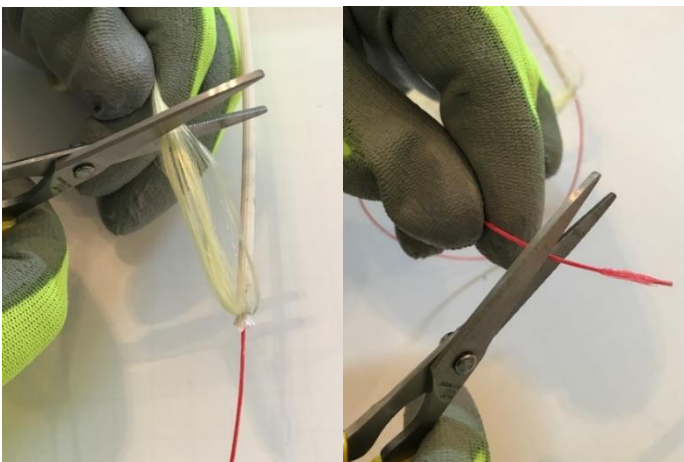


Figure 7: Cut to length

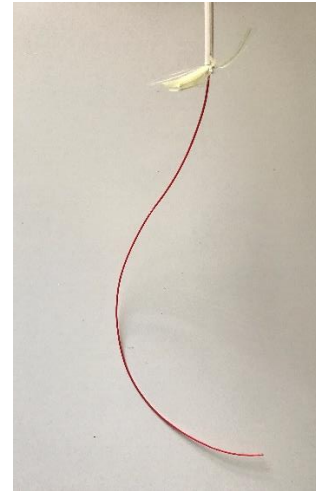


Figure 8: Prepped cable

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