

Assembling the Air Blown LC/APC connector

The LC/APC Air Blown connector consists of the following parts:

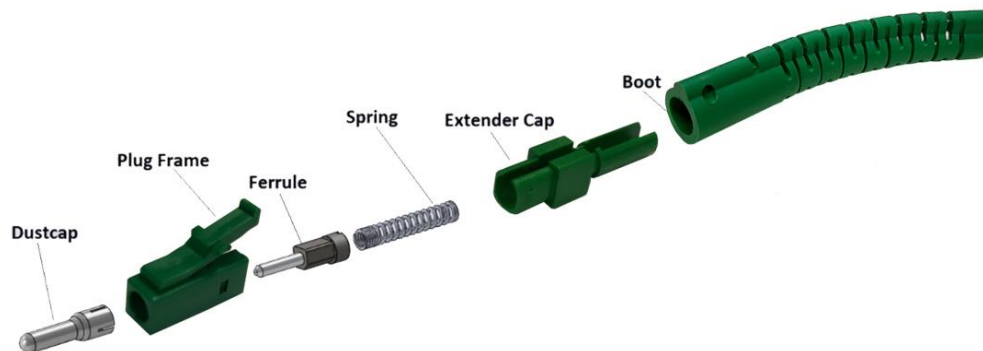


Figure 1

1. Dustcap
2. Plug Frame
3. Ferrule
4. Spring
5. Extender Cap
6. Boot

In the Air Blown connector, the fiber, center tube and spring are glued to the ferrule to keep all parts in the right place throughout the blowing. The dustcap is installed in place, the purpose of which is to protect the ferrule head, but also to better control the fiber at the joints with the help of a rounded head. These are all installed in place in the finished product.

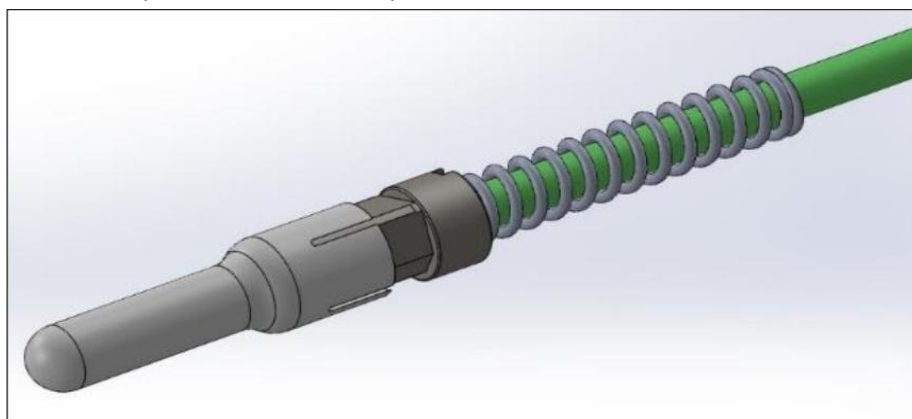


Figure 2

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The Air Blown connector also comes with the following parts

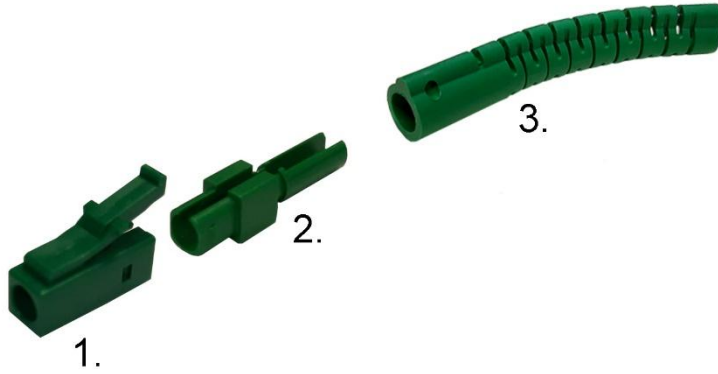


Figure 3

1. Plug frame
2. Extender Cap
3. Adjustable boot

Since this is an 8° APC product and the angle should only be in a certain direction, the ferrule has an asymmetrical shape to help align with the plug frame. The frame has a corresponding shape, so the ferrule can only pass through the frame in the correct position (see Figure 4). This should be taken into account when assembling the connector.

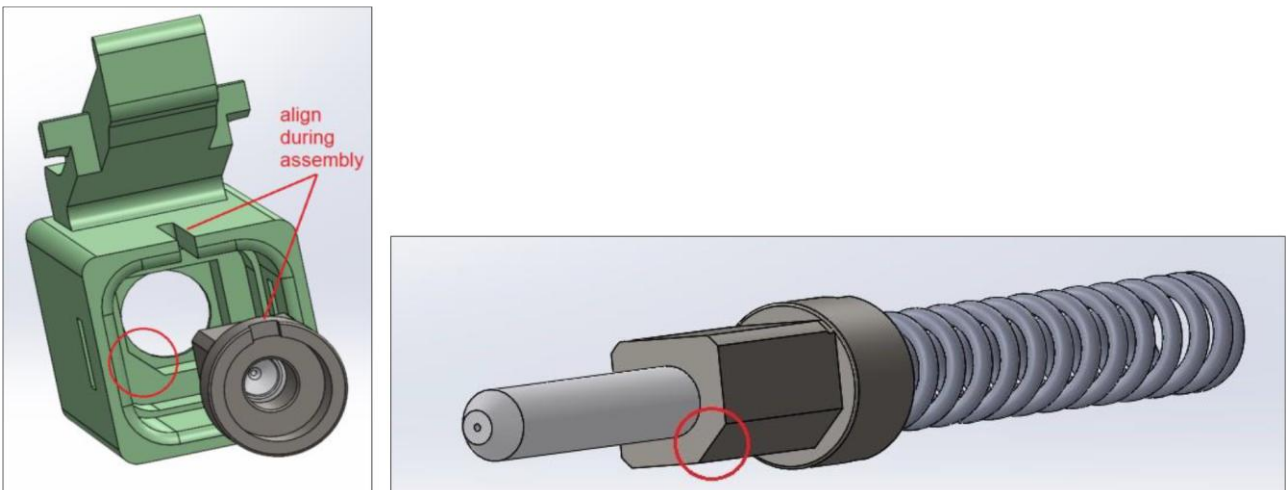


Figure 4

The assembly of the connector is carried out as follows:

1. Thread the ferrule through the boot so that the narrower part of the boot goes first.
2. Temporarily remove the dust cap from the ferrule.
3. Assemble the connector as shown in Figure 5.

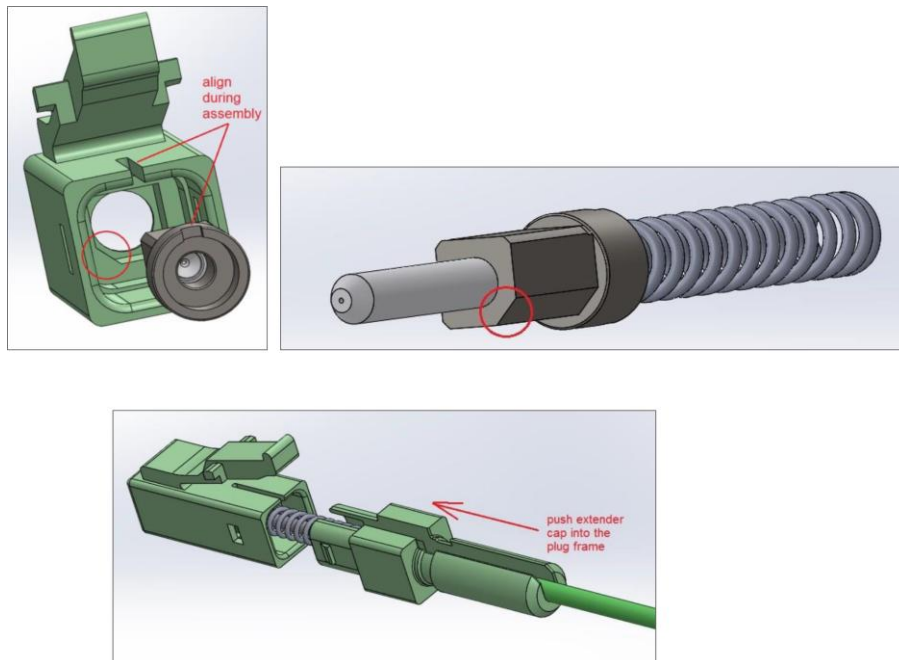


Figure 5

- Thread the central tube through the extender cap, through the slit on its side. Pull the fiber back until the spring catches up with the extender cap. Rotate the fiber enough so that the shapes of the ferrule and the plug frame match and the ferrule can come out through the frame. After that, the extender cap is pressed against the plug frame until they lock together. The boot is carefully installed on top of the extender cap.
4. Clean and inspect the connector. Install the connector or put the protective cap back on.

N.B! Due to the characteristics of the TRX microchannel cable, the center tube and kevlar may come out from under the sheath, but this should not affect the final result, as the center tube and kevlar are attached to the ferrule. Inside the boot there is a metal wire that allows the boot to be adjusted to the desired position and there will be no deflection of the center tube.

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