

Detailed steps for pigtail splicing



Article Overview

Pigtail splicing involves preparing the fiber, precisely cleaving and cleaning it, fusion splicing to the pigtail, and protecting the splice for reliable, low-loss connections.

Tools and Equipment Needed

- Fusion Splicer: Aligns and fuses the fiber ends using an electric arc for a continuous optical path .
- Fiber Strippers: Remove the outer jacket and coating without damaging the glass core .
- High-Precision Fiber Cleaver: Cuts the fiber at a perfect 90-degree angle for optimal fusion .
- Cleaning Supplies: Lint-free wipes and 99% isopropyl alcohol to remove dust, oils, and debris .
- Heat-Shrink Splice Sleeves or Mechanical Splice Protectors: Protect the fragile splice after fusion .

Step-by-Step Procedure

1. Preparation

- Strip the Fiber: Remove the outer jacket and buffer coating from both the incoming fiber and the pigtail to expose the bare glass.
- Clean the Fiber: Use lint-free wipes and isopropyl alcohol to clean the exposed fiber until it is free of oils and debris .
- Inspect the Fiber: Ensure there are no scratches or nicks on the glass, as these ca...

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Remove the outer coating carefully to expose the fiber. Use alcohol wipes to remove dust and debris. Make a precise

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Reverse the position of the splice in the crimping tool (or location of the crimping tool on the splice) and repeat steps 1 through 6 to

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Pigtails ease fiber termination

Pigtails bridge a critical junction in the fiber-optic network, so installers need to choose products made with reliable components.

Contact Us

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