

Connecting from fiber optic cable



Article Overview

To connect fiber optic cables effectively, ensure you have the right tools and follow proper procedures to achieve optimal performance and reliability.

Necessary Tools and Materials

- Fiber Optic Stripper: For removing the outer jacket of the fiber cable without damaging the glass core.
- Cleaver: For making precise cuts on the fiber ends, which is crucial for effective connections.
- Cable Connector Kits: Required for attaching connectors to the fiber ends.
- Fusion Splicer: If you need to join two fibers permanently by fusing them together.
- Safety Equipment: Gloves and safety glasses to protect against tiny glass shards.

Steps to Connect Fiber Optic Cables

- Strip and Clean Fiber Ends:
 - Use a fiber optic stripper to carefully remove the outer cable jacketing, exposing the glass fiber.
 - Clean the stripped fiber with isopropyl alcohol using lint-free swabs to remove any contaminants. Inspect under a microscope to ensure cleanliness .
- Prepare Fiber for Cleaving:
 - Pull out enough stripped fiber length to work with comfortably, avoiding bends beyond the minimum bend radius.
 - Lightly scribe the coating at the cleavage point using fiber pliers .
- Cleave the Fiber:...

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