

How to cut fiber optic cable for a router



AI Overview

Cutting a fiber optic cable requires specialized tools, precision, and safety precautions to ensure a clean cut and maintain signal integrity.

Tools and Materials Needed

- Fiber optic cable cutter or cleaver: Designed to create a clean, perpendicular break without crushing the fiber .
- Fiber stripper: To remove the outer jacket and protective coatings without damaging the glass core .
- Lint-free wipes and isopropyl alcohol: For cleaning the fiber before and after cutting .
- Safety glasses and gloves: To protect against sharp fiber shards .
- Disposable container: For safely collecting fiber scraps .
- Optional microscope or inspection scope: To inspect the cut for smoothness and alignment .

Step-by-Step Procedure

- Inspect the Cable: Identify any damaged or kinked sections. Cut beyond these areas to ensure a clean end .
- Prepare the Work Area: Ensure good lighting and a clean surface. Wear safety glasses and gloves .
- Strip the Outer Jacket: Use a fiber stripper to carefully remove the outer jacket and any buffer coatings, exposing the glass fibers .
- Clean the Fiber: Wipe the exposed fiber with a lint-free cloth and isopropyl alcohol to remove dust or grease

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Cut the cable and complete the take-up process. When finished, secure the top end of cable to the inside flange that is closer to the

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Fiber optic cable repair involves cutting out the damaged section, stripping and cleaning the fiber, then rejoining the ends with a

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