

How to remove a fiber optic cable that has broken at the SC cold splice



Summary of Content

To remove a broken fiber optic cable at an SC cold splice, carefully cut out the damaged section, strip back the jacket and buffer, and prepare the fiber ends for splicing or termination.

Safety and Preparation

Before starting, wear safety glasses to protect against glass shards, and ensure the work area is clean and well-lit. Gather the necessary tools: fiber optic cutters, jacket strippers, alcohol wipes, and a precision cleaver if needed .

Step-by-Step Removal Process

- **Locate the Break** Identify the exact point of the break at the SC cold splice. Use a visual inspection or a visual fault locator to confirm the damaged section .
- **Cut Out the Damaged Fiber** Using kevlar shears or a fiber optic cutter, remove the broken portion of the cable. Make a clean cut to create a smooth working edge for the splice .
- **Strip the Outer Jacket** Slide the SC connector boot off the cable if present. Use a three-hole jacket stripper to remove approximately 2 inches (50 mm) of the outer jacket, exposing the internal fiber strands .
- **Remove the Buffer and Yarn** Carefully separate the internal yarn from the fiber strand. Strip the inner coating from the fiber using the jacket stripper or a precision fiber stripper, following the recommended strip length for your connector or splice .

Article Content

Fiber Optic Cable Repair: Step-by-Step Guide, Tools & Cost

Learn how to repair a cut fiber optic cable: fusion vs mechanical splicing, tools, testing tips, cost estimates, and when to

How to Repair a Damaged Fiber Optic Cable?

Learn how to repair a damaged or cut fiber optic cable with step-by-step instructions, essential tools, and best

How to Fix a Cut Fiber Optic Cable

While a cut or damaged fiber optic cable can temporarily take your network down, it is possible to quickly fix the cable

How to Repair a Fiber Optic Cable

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

How to do the cold splicing when the fiber optic cable is broken?

How to do the cold splicing when the fiber optic cable is broken? The most detailed cold splicing procedures for

Terminating Fiber Optic Cable Guide

The document provides a 24-step guide for terminating a fiber optic SC connector without epoxy or polishing. The steps include

How to Repair Fiber Optic Cable: A Step-by-Step Guide

The standard procedure is to locate the break with an optical time-domain reflectometer (OTDR), expose the damaged section, and

Repairing a Broken Fiber Optic Cable

This article covers the typical steps required to repair and/or re-terminate a damaged fiber optic cable. The actual steps may vary

How to Repair a Cut Fiber Optic Cable

Repair a cut fiber optic cable: fusion splicing, mechanical splice or replacement. Complete guide with tools, step-by

How to Repair a Damaged Fiber Optic Cable

A cut or damaged fiber optic cable can take your network down. it is possible to quickly fix the cable with the right tools. This article

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