

How to repair a damaged fiber optic cable line

Article Overview

Repairing a fiber optic cable involves locating the fault, removing the damaged section, preparing the fiber ends, splicing them, and testing for signal integrity.

Step 1: Inspect and Locate the Damage

Begin with a visual inspection to identify obvious cuts, kinks, or damaged jackets. For internal or less visible faults, use an Optical Time-Domain Reflectometer (OTDR) to send light pulses through the fiber and pinpoint breaks or microbends, ensuring accurate fault location and minimizing unnecessary cutting .

Step 2: Remove the Damaged Section

Once the break is located, carefully cut out the damaged portion using a fiber optic cutter. Ensure enough fiber length remains for proper stripping, cleaving, and splicing .

Step 3: Prepare the Fiber Ends

- Use a fiber optic stripper to remove the protective jacket without nicking the core.
- Cut any exposed Kevlar strength members with a Kevlar cutter.
- Clean the fiber with alcohol and lint-free wipes to remove contaminants .

Step 4: Cleave the Fiber...



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I cut off my fiber optic cable. Can I repair it, at least ...

I don't work with fiber, but if it were me I would just try making some kind of jig to hold the ends of the cable together and line up the

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.iiss.co.za>

Email: sales@iiss.co.za

Phone: +27 63 174 2895

Address: Unit 8, Innovation Park, 15 Rivonia Road, Sandton, Johannesburg, 2196, South Africa

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