

What to do if the fiber fusion splicer can't push out the tail fiber



Article Overview

If your fusion splicer cannot hold the fiber tail, the issue is usually related to fiber preparation, V-groove cleanliness, or mechanical alignment, and can be resolved through careful cleaning, proper cleaving, and splicer maintenance.

Check Fiber Preparation

Ensure the fiber is properly stripped and cleaved. The fiber tail must be free of coating residue, dust, or oil, and the cleave should be flat and smooth. Use a precision cleaver and inspect the fiber end under a microscope to confirm a clean, perpendicular cut. Poor cleaving or leftover coating can prevent the splicer from gripping the fiber securely .

Clean the Splicer Components

Debris in the V-grooves or on the splice plate can interfere with fiber holding. Clean the V-grooves and splice plate using non-abrasive cleaning sticks and 99% isopropyl alcohol. Avoid touching sensitive areas like electrodes or camera lenses directly. Regular cleaning reduces misalignment and improves fiber retention .

Inspect and Maintain the Splicer

Check for worn or dirty electrodes, which can affect the splicer's ability to hold and fuse fibers. Run automatic electrode cleaning and replace electrodes according to t...

Article Content

Jan 29, 2026

Fusion Splicer Troubleshooting: Maximize Quality Splices and Efficiency

When fusion splicing in the field, a number of issues can arise, causing equipment errors and faulty splices, leading to

Nov 19, 2025

The FOA Reference For Fiber Optics

Fusion current too high Prefusion current or time too low Additional Problems Fusion splicers generally have stored programs for

Mar 06, 2026

Fiber Optic Splicing: Examining the Factors that Affect ...

Learn the the intrinsic and extrinsic factors that can impact fiber optic splice performance and how you can create the

Jul 08, 2026

Splicer technical tips

If the electrodes are not properly attached to the splicer, the tips of the electrode rods will shift. If the electrodes are not installed

Jun 01, 2026

Fiber Optic Splicing: A Beginner's Guide

Fiber optic splicing joins two fiber optic cables end to end seamlessly to create a continuous path for light signal,

Mar 08, 2026

Fusion Splicing Systems Support and FAQs | AFL Global

Get help for AFL fusion splicing systems- FAQs, troubleshooting steps, and service options to keep your splicers performing reliably.

Jan 09, 2026

Fiber Optic Splicing: A Complete Guide | Jonard Tools

You'll need a fiber optic stripper, a kevlar cutter, a high-precision cleaver, a fusion splicer, fiber cleaning

Jul 30, 2025

Fusion Splicing Issues Explained – Causes and Prevention

Learn how to identify fusion splicing issues, understand their causes, prevent splice errors through proper preparation and arc

Jan 29, 2026

Technical guide: Most common problems in fiber optic fusion splicers

"Discover the most common problems with fiber optic fusion splicers and how to solve them. Technical guide with symptoms,

Jun 05, 2026

VHO-Splice-fusion

This FOA virtual hands-on (VHO) tutorial on fiber optics covers fiber optic cable splicing using a typical portable fusion splicer. It is

Oct 12, 2025

Common Fusion Splicing Problems and How to Fix Them

Here are the most common Fusion Splicing Problems you will encounter in the field and the straightforward fixes to solve them: 1.

Sep 11, 2025

Electrodes Replaced, But Splicer Still Failing? Discover the Real ...

Discover the Real Problem Are you still experiencing splice errors or high loss readings even after replacing the

Nov 08, 2025

Fusion Splice Troubleshooting: Common Errors and Fixes

The fusion splicer flags every kind of problem with its own visual signature, but the troubleshooting is the same: identify the defect,

May 12, 2026

Welding faults for fusion splicer

Clean or replace the electrodes if necessary. 4.Fusion Parameters: Review the fusion splicer's fusion parameters,

Apr 15, 2026

How Anyone Can Splice Fiber Optic Cable | BroadbandSearch

Multiple fibers are organized into structured panels to improve efficiency, airflow, and cable management. Can You

Jul 19, 2026

How Do You Splice Fiber with a Fusion Splicer?

In this video and step by step tutorial, we take you through the basic steps on how to fusion splice pigtails using a fusion splicer.

Jul 22, 2026

My splices break in the fusion splicer, how can I prevent this?

Whenever I open the fusion splicer, typically a sumitomo type 72c+ or type 90, my splice breaks. Do you open just one clip at a time?

Jul 30, 2025

Fusion Splicer Troubleshooting: Maximize Quality Splices and Efficiency

When fusion splicing in the field, a number of issues can arise leading to high splice loss. Use this checklist to

Jul 25, 2026

Splicing Fiber Optic Cables | A Beginner's Guide

Between increased durability and improved performance, technicians usually opt to use a fusion splicer when possible. Fusion

Sep 14, 2025

Operation Faults and Solutions When Using the Fusion Splicer

Fiber pushing is too big. Reduce [overlap amount] and execute [ARC calibration]. 1) Discharging strength not suitable.

Dec 14, 2025

What Causes Fusion Splicer to Produce a "Splice Failed" Result? | CMW

What is a Fusion Splicer? A fusion splicer is a specialised tool used in fibre optic installations to combine two fibre

Jan 27, 2026

Common Problems That Arise When Using a Fusion Splicer:

Learn how to identify and troubleshoot common problems that may arise when using a fusion splicer. Discover tips on

Contact Us

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

Website: <https://greatpremiersolutions.co.za>

Email: sales@greatpremiersolutions.co.za

Phone: +27 82 914 3675

Address: Unit 5, Silicon Heights, 22 Electron Avenue, Cape Town, 8001, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

