

# How to deal with a sticking out of a fusion splice pigtail



## Article Overview

A sticking out or bulging fusion splice pigtail is usually caused by excess arc energy or fiber overlap, and can be corrected by trimming, re-cleaving, and re-splicing the fiber.

### Identify the Problem

A sticking out pigtail, often called a fat splice, appears as a mound or bulge at the splice point. This occurs when too much arc energy is applied or when fiber ends overlap excessively during fusion, causing the glass to accumulate at the splice region. It can lead to high splice loss and may interfere with connector insertion or fiber routing.

### Step-by-Step Fix

- Inspect the Splice
- Use the splicer's camera to check the splice visually.
- Confirm that the bulge is not caused by debris or contamination.
- Trim and Re-Cleave
- Cut back the fiber past the bulging section.
- Ensure the fiber is cleaned with 99% isopropyl alcohol and a lint-free wipe before cleaving.
- Use a precision cleaver with a sharp blade to achieve a flat, perpendicular end....

## Article Content

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Why Are the Fibres Not Fusing Properly in My Fusion Splicer?

Are you struggling with fusion splicing? Learn common reasons why fibres may not fuse properly in your fusion splicer

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The FOA Reference For Fiber Optics

Many high fiber count cables today are made from ribbons of fibers, usually 12 fibers per ribbon. Splitting

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Common Fusion Splicer Problems and How to Fix Them

To resolve this, first check the fibre ends. Ensure they are clean using alcohol wipes or

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"Fiber Splicing Pigtails | Step-by-Step Guide for Beginners"

□□ Fiber Splicing Pigtails | Complete Step-by-Step Tutorial for Beginners and Technicians

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101 Series: Know When to Splice & Where Not to Splice

Fusion splicing at the building entrance or at fiber panels can be achieved using splice-on pigtails or splice

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The FOA Reference For Fiber Optics

There are two types of splices, fusion and mechanical. Fusion splicing is most widely used as it provides

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Fiber Optic Fusion Splicing Guide: From Safety to Troubleshooting

Learn Fiber Optic Fusion Splicing: step-by-step guide to safe, precise fiber

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## October 2018 Fiber Splice-On Connectors

What is a Splice-On Connector? Pigtails versus Splice-On Connectors When looking at a fusion splice solution there are essentially

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## Preparing your Fiber Optic Cable for Connectors or Splices

Gathering the necessary tools for Fiber Optic splicing It is important to ensure that you

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## CABLE PREPARATION INSTALLATION

Open the heater shield on the top of the unit. For splice-on connectors (SOC), lay the connector in the SOC holder with the ferrule

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## How to Make a Perfect Pigtail Splice

Making a pigtail splice is a common practice in the electrical trade that many DIYers and

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## Fiber Optic Splicing: A Complete Guide | Jonard Tools

Having the right tools and protective gear is essential for a successful splice. You'll need a fiber optic

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## 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

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## Master a Perfect Inline Wire Splice Everytime

Master a Perfect Inline Wire Splice Everytime: In this instructable i will teach you how to make a perfect inline wire splice, every

Jun 22, 2026

## Common Fusion Splicing Problems and How to Fix Them

This inconsistency is usually caused by dirty electrodes (the needles that make the spark), unstable power, or parts that are simply

Jan 10, 2026

A complete guide to fiber optic fusion splicing from start to finish ...

A quality fusion splicer will align and fuse fibers so precisely that the splice will not significantly impede data throughput

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What Is Fiber Optic Pigtail and How to Splice It?

Fiber Optic Pigtail Splicing: Easy and Fast Fiber Termination The quality of fiber pigtail is typically high because the

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How to choose fiber optic pigtails?

Splicing of pigtails to each fiber in the trunk "breaks out" the multi-fiber cable into its component fibers for connection to the end

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Troubleshooting Fusion Splicer Problems: Why Aren't Your Fibres

A fusion splicer not fusing properly is a problem that can often be resolved with a bit of troubleshooting. By carefully

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The ins and outs of fusion splicing

"The newest fusion-installable connectors use fusion splicing to connect the ferrule to the fiber, and then the connector is assembled

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How to Splice Fiber Optic Cable - Step-by-Step Fusion

Learn how to splice fiber optic cable using fusion splicing with this complete step-by-step

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Fusion-splice basics

Fusion splicing is used for joining cables during network installation projects, repairing

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How to do a fusion splicing in a fiber optics splice tray ...

Once you've prepared your loose tube fibers, it's time to splice it to another cable or some

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What Is It and How to Splice It

What Is It and How to Splice It In fiber optic cable installation, how cables are attached to the system is vital to the success of

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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

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The FOA Reference For Fiber Optics

Fiber Optic Cables - Fusion Splicing This virtual hands-on page will take you through the steps involved in the process. Look at the

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Welding faults for fusion splicer

There could be several possible reasons for this issue. Here are some common causes of fusion splicing failures and

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Common Problems That Arise When Using a Fusion Splicer:

In this blog post, we will explore some common problems that arise when using a fusion splicer and provide

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Fiber Optic Pigtail: The Complete Guide to Types,

Confused about fiber optic pigtails—which connector type, which polish, fusion or

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Rat-tail splice

A rat-tail splice, also known as a twist splice or a pig-tail splice, is a basic electrical splice that can be done

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## Fiber Splicing Pigtails | Splice on Pigtails | Fiber Optic

Explore fiber splicing pigtails with low insertion loss, color-coded fibers, and high-quality fusion splicing.

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## Fiber Optic Fusion Splicing – A Complete Guide to Common Issues

After fusion splicing, during the heat shrink process, any remaining contaminants (such as tiny sand particles) may

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## Fusion Splice Troubleshooting: Common Errors and Fixes

Bright sunlight can wash out the splicer display and interfere with the cameras' ability to image the fibers. Fix: Shade the splicer with

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## Pigtails

Traditional Fusion Splice-On Connectors with pigtails provide factory-polished performance with field-termination convenience within

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## Mechanical vs. Fusion Splicing: Which Is Right for You?

Other than a fiber stripper and a fiber splitter, many mechanical fiber splice designs require no additional equipment.

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## Fiber Optic Fusion Splicing

Fiber optic fusion splicing is on the rise and Corning's Pigtailed Splice Cassettes enable faster field splicing and easy modular

## Contact Us

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

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