

What to do when fiber optic cables are spliced into pigtails

Article Overview

Splicing fiber optic cables with pigtails involves preparing the fiber, aligning it with a factory-terminated pigtail, and performing a fusion or mechanical splice to ensure a low-loss, permanent connection.

Step 1: Gather Tools and Materials

Before starting, ensure you have the following:

- Fiber optic pigtails (pre-terminated connectors on one end)
- Fusion splicer or mechanical splice kit
- Fiber stripper and cleaver
- Isopropyl alcohol wipes and lint-free cloths
- Heat-shrink sleeves (for protection after splicing)
- OTDR or power meter for testing the splice

Step 2: Prepare the Fiber

- Strip the outer jacket of the incoming fiber cable carefully to expose the bare fiber.
- Clean the fiber with alcohol wipes to remove dust, oils, and debris.
- Cleave the fiber using a precision fiber cleaver to create a flat, smooth end for splicing .

Step 3: Align and Splice...



Article Content

Jan 31, 2026

Fiber Optic Cable Splicing Methods: A Practical Guide

While this guide provides a solid overview of fiber optic cable splicing, the successful execution of these methods

Jun 27, 2026

Fiber Optic Pigtail Introduction and Installation Guide

The fiber optic pigtail is a short terminated optical fiber with a connector on one end, used

Jul 23, 2026

Fiber Optic Pigtail: The Complete Guide to Types,

This guide covers everything: what fiber optic pigtails are, how they differ from patch cords,

Nov 29, 2025

How to Splice Fiber Optic Pigtails: A Step-by-Step Guide

Master the art of fiber termination. Learn how to splice fiber optic pigtails using fusion

May 17, 2026

Everything you need to know about fiber optic termination

Different connectors and splice termination procedures are used for singlemode and multimode

Apr 01, 2026

Fiber Optic Cable Splicing Methods: A Practical Guide

Learn fiber optic cable splicing methods: fusion splice techniques and more. A practical guide to optic cable splicing

Nov 12, 2025

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

In this detailed video, we'll walk you through the fiber optic pigtail splicing process — from

May 21, 2026

The FOA Reference For Fiber Optics

When splicing similar cables on long runs, fibers should be spliced straight through according to color codes to continue the same

Apr 06, 2026

Fiber Optic Pigtail: What Is It and How to Splice It?

Fiber optic pigtails are essential components in fiber optic installations, used to connect fiber

Sep 05, 2025

The FOA Reference For Fiber Optics

Fiber optic joints or terminations - where cables are terminated - are made two ways: 1) connectors that mate two fibers to create a

Sep 09, 2025

Fiber Optic Cable Splicing Explained

Splicing in optical fiber is the joining two fiber optic cables together. There are 2 methods of cable splicing, mechanical

Feb 02, 2026

Fiber-Optic Cable Splicing

Fiber-Optic Cable Splicing The article discusses the methods, tools, and challenges involved in fiber-optic

Aug 23, 2025

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.

Sep 23, 2025

The Complete Step-by-Step Guide to Fiber Optic Splicing

In this guide, we cover the basics of fiber optic splicing, how to perform splicing using two different methods, and finally some best

Dec 19, 2025

Preparing your Fiber Optic Cable for Connectors or Splices

Learn the essential steps and tools for preparing fiber optic cables for connectors or

Jul 31, 2025

Fiber Optic Cable Splice: The Complete Guide

This guide explores everything about fiber optic cable splice —from fiber fusion splice

Nov 16, 2025

Fiber Optic Splicing: A Complete Guide | Jonard Tools

This guide will walk you through the complete process of fiber optic splicing—covering each step in detail so you can deliver a clean,

Jul 31, 2025

What is a Fiber Optic Pigtail? | Types, Uses & Advantages

What is the Fiber Optic Pigtail? Fiber Pigtails are fiber optic cables that are terminated at one end with a factory

Jan 25, 2026

How to Splice fiber pigtails?

Fiber optic pigtails can be divided into single-mode (colored yellow) and multimode (colored orange) fiber. Multimode fiber optic

Nov 22, 2025

Comprehensive Guide to Fiber Optic Pigtails | Gezhi Photonics

Dive into the world of fiber optic pigtails, their types, applications, and splicing methods. Enhance your network's

Jul 27, 2025

What Is Fiber Optic Pigtail and How to Splice It?

And they also have male connectors that plugged directly into an optical transceiver. Fiber Optic Pigtail Splicing: Easy and Fast Fiber

Sep 01, 2025

What is Fiber Pigtail? A Complete Guide for Beginners

Fiber optic pigtails are mainly for fast fusion splicing applications, while patch cords are for

Oct 31, 2025

Fiber Cable Mechanical Splicing Guide Using Fiber Splice Trays

In practical deployments, fiber optic splicing is not performed in open environments. To protect spliced fibers, manage

Nov 10, 2025

101 Guidelines for Fiber Optic Cable Installation

After the fiber optic cable is installed into a duct or innerduct, end plugs should be installed to provide an effective water seal. The

Oct 30, 2025

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

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

Mar 24, 2026

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

Jan 07, 2026

Splicing Fiber Optic Cables | A Beginner's Guide

Fiber splicing is a vital technique in cable maintenance. Knowing how to splice fiber optic cables is key for data communications with

Nov 22, 2025

Fiber Optic Cable Splicing: A Comprehensive Guide

To support integrators, here's an easy to follow guide for fiber optic cable splicing discussing mechanical splicing and

Aug 30, 2025

The Ultimate Guide to Splicing of Fiber: Techniques and Tips

Looking to understand fiber splicing? It's the process of joining two fiber optic cables using techniques such as fusion

Sep 03, 2025

Fiber Optic Pigtails: Types, Uses & How to Splice Them

Learn fiber optic pigtails types and uses in plain English. Compare LC, SC, MPO connectors, single-mode vs

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

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

