

# What s the best way to cut the fiber optic cable



## Overview

Use the right tools: Cutting fiber optic cables requires specialized tools, including fiber optic cable cutters, strippers, and cleavers.

## Key Takeaways

Fiber optic cables should be cut using specialized tools: Kevlar scissors for aramid fibers and a fiber cleaver for the glass fibers, not regular scissors.

## Cutting the Outer Jacket and Aramid Fibers

To safely cut a fiber optic cable, start with the outer jacket. Use a fiber optic cable stripper to remove the protective sheath without damaging the delicate fibers inside. After stripping the jacket, the aramid (Kevlar) yarn strength members should be cut using Kevlar scissors or fiber optic Kevlar cutters.

These tools are specifically designed to handle the tough aramid fibers cleanly, preventing fraying or incomplete cuts that can occur with regular scissors or snips.

## Cutting the Glass Fiber

Once the jacket and aramid fibers are removed, the glass fiber itself must be cut precisely. Use a fiber cleaver, a precision tool that scores and fractures the fiber to create a near-perfect 90° end face. This is critical for low-loss fusion splicing or connector termination.

Using regular scissors or knives can crush the fiber, causing hidden cracks and signal loss.

## Recommended Procedure

Cut the cable to length using a fiber optic cable cutter or Kevlar scissors for the aramid fibers. Strip the outer jacket with a fiber optic cable stripper. Cut the aramid fibers with Kevlar scissors to expose the glass fiber.

Strip the fiber coating using a fiber stripper to prepare the fiber for termination. Cleave the fiber with a fiber cleaver to achieve a smooth, precise end face for splicing or connectorization.

## Safety Considerations

Always wear safety glasses when cutting or stripping fiber optic cables, and dispose of fiber scraps properly. Using the correct tools not only ensures clean cuts but also reduces the risk of injury and prevents damage to the fiber that could compromise network performance. By following these steps and using the proper tools—fiber optic cable strippers, Kevlar scissors, and fiber cleavers—you can safely and effectively cut fiber optic cables for installation or splicing.

## Article Content

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Our fiber optical cable cutter is meant to be used in conjunction with a high quality fiber optic cable strip tool, such as the trueCABLE Fiber Optic Cable

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By following these guidelines, you can effectively cut fiber optic cable with precision and care. This ensures the cable maintains its performance characteristics and

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Cutting Fiber Optic Cable: A Comprehensive Guide to Precision and ...

To cut the cable, use a fiber optic cable cutter to score the outer jacket and coating. Apply gentle pressure and rotate the cutter to ensure a clean cut. Once you have scored the cable,

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In this week's video, Ben Hamlitsch shows you how to cut, strip, clean, and cleave your fiber optic cable! He also shares some best practices to follow and additional details you'll want to...

## Fiber and Cable Stripper – Types, Uses & Guide

When the aramid fiber in the optical cable is spliced, use fiber cable cutting scissors to cut it off. When cutting the outer optical cable, use a fiber cable stripper to peel off the loose insulation

## How to Cut Fiber Optic Cable?

Cutting fiber optic cable requires precision and the right tools to avoid damaging the delicate glass fibers that transmit data; the correct method involves scoring the outer jacket and then

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Cutting fiber optic cable requires precision to avoid damaging the delicate glass fibers. Use a specialized fiber optic cable cutter to ensure a clean break, removing any damaged section to

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

In fiber optic cable installation, how cables are attached to the system is vital to the success of network. If done properly, optical signals would pass through the link with low attenuation

## Everything you need to know about fiber optic termination

Fiber Optic Termination Tutorial We terminate fiber optic cable two ways - with connectors that can mate two fibers to create a temporary joint and/or connect

## The FOA Reference For Fiber Optics

Since optical fiber cables are designed not to stretch as that would stress the optical fibers, slack must be provided, usually at the supports, to reduce tension on the

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## Fiber Testing Standards 2025 Guide for IEC and TIA

Fiber Testing Standards Overview IEC, TIA, and FOA Standards You need to understand the main fiber testing standards before you start any project.

## 7 Best Fiber Optic Termination Kit | End-Face Flat

Whether you are terminating drop cables for FTTH builds or prepping pigtails in a data center, the best fiber optic termination kit must combine a high-precision

ODF: Optical Distribution Frame

ODF, or Optical Distribution Frame, is a high-capacity, high-density frame used for fiber optic cable connection, distribution, dispatch, and management.

Master Your Fibre Optic Installation: Step-by-Step Best Practices

This comprehensive guide delves into the intricacies of fiber optic installation, exploring topics ranging from cable types and pre-installation considerations to execution, safety protocols,

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