

# Patent for Optical Cable Splicing Tools





## Overview

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A new fiber optic cable splice for splicing optical fiber cables together and reconstructing fiber-optic cable that provide substantially enhanced reliability and broadened operating temperature range is disclosed. Google has not performed a legal analysis and makes no representation as to the accuracy of the date listed. A splice module for use in fiber optic cable alignment and splicing devices is disclosed, having a multi-piece v-groove module and, in one embodiment, a separately disposable electrode module such that in use only the electrode module needs to be replaced after each fiber optic cable splicing. FITELE's comprehensive range of compact fusion splicers offer portable, reliable splicing solutions for advanced fusion splicing applications.



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### **Analytics for US Patent No. 6203213, Splice module for use in fiber**

The electrode module provides the arc for fusing fiber optic cable and is designed to be user replaceable and inexpensive. Also disclosed is a tool and method for the easy user replacement

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### **AFL receives 5 new patents for fiber-optic cable, fusion splicing**

AFL has been awarded five patents for new technologies used in the enhancement of the company's Optical Connectivity and Apparatus (OCA), fiber-optic cable and fusion splicing products.

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## **Fiber-Optic Cable Splicing**

Fiber-Optic Cable Splicing The article discusses the methods, tools, and challenges involved in fiber-optic cable splicing, including fusion splicing, cleaving, and

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## **Mastering the Art of Cable Splicing: Techniques and Best Practices**

An industry-recognized certification program that includes comprehensive training on fiber optic splicing, testing, and installation. These references provide a foundation of knowledge and best

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## **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 fusion splicing.

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## **WO/2025/207464 FIELD-INSTALLABLE FIBER OPTIC**

The fiber optic splice assembly is suitable for receiving an optical fiber from a prepared fiber optic cable in the field for abutting with the stub optical fiber and making the mechanical splice

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## **Fiber Optic Splicing and Connectors: Skills and Tools**

Learn what are the most important skills and tools for fiber optic splicing and connectors, and how to use them effectively and safely in this article.

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## **What is the Splicing of Optical Fibers & Their Techniques**

To overcome the disadvantages of optical fiber connectors, the splicing of optical fibers is used to maintain permanent connections between the two optical fiber

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## **Complete Guide to Fiber Optic Connectors and Splicing**

Learn about fiber optic connectors & splicing, types, tools, installation tips, and maintenance for reliable high-speed internet. Start optimizing today!

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## **Professional Splicing Tool Kit: Precision Engineering for Reliable**

A splicing tool kit represents a comprehensive solution for professionals and technicians who need to join, repair, or maintain fiber optic cables and electrical connections. This



essential collection of tools

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## **Cable splicing: Professional connection for fiber optics**

Technology has advanced tremendously over the past few decades, and one of the most notable developments is the use of fiber optic and power

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## **OCC Patent Information**

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## **Fusion splicing: Tools and techniques**

Fusion splicers are being used in increasing numbers of applications, indoors and out. The fusion splicer is a long-used tool in outside plant (OSP) fiber-optic

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## **Splice assembly tool and method of splicing (Patent) , DOE Patents**

A splice assembly tool for assembling component parts of an electrical conductor while producing a splice connection between electrical cables therewith, comprises a first structural member adaptable

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## **What Is Fiber Optic Cable Splicing? A Beginner's Guide**

Fiber optic splicing is often the preferred way to connect two fiber optic cables because it has lower light loss (attenuation) and back reflection than



## **Fiber Optic Splicing: A Beginner's Guide - VCELINK**

Fiber optic splicing joins two fiber optic cables end to end seamlessly to create a continuous path for light signal, including mechanical and fusion splicing.

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## **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 or fusion.

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## **Fiber Optic Splicing Types, Methods, and Applications**



Fiber optic splicing plays a vital role in modern communication networks by enabling seamless connections between fiber optic cables. This technique ensures high

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## **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 requires extensive training, hands-on experience, and a significant

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## **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 practices to perform good fiber splicing.

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## **WO2016065998A1**

By adopting the method, the optical cable splicing process is more reasonable, the optical cable fusing losses are small, time is saved, and the optical cable splicing quality is

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## **An Overview: The Pros and Cons of Various Splicing**

After understanding the advantages of optical fibre cable splicing, it's important to learn about the two techniques used for creating the splicing

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## **Fiber Optic Fusion Splicer**

Now offering Fiber Optic Fusion Splicer, Fiber Optic Cleavers, Locaters, OTDRS, Live Fiver



Identifier, Optical Fiver Meters, ETHERNET WI-FI TESTING, IRRIGATION & LOCATION, COPPER

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## **Splicing Fiber Optic Cables , A Beginner's Guide**

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

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## **US Patent for Fiber optic cable splice Patent (Patent # 7,410,308**

The present invention discloses a design of a fiber-optic cable splice that will enable fiber-optic cable reconstruction and restore optical signal connection. The new fiber-optic cable splice provides

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## **Fibre Optic Cable Splicing Guide: Techniques and Equipment**

Whether you're performing fusion splicing or mechanical splicing, having the right techniques and equipment at your disposal is crucial for achieving seamless and durable

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## **3SAE Technologies Inc.**

Discover our wide array of advanced fiber optic products, designed for large and standard diameter fiber cleaving, fusion splicing, and optical glass fiber processing.

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## **Fiber Optic Cable Splicing Machines in the Real World: 5**

Fiber optic cable splicing machines are essential tools in the telecommunications and



data infrastructure sectors. They enable precise joining of fiber optic cables, ensuring high-quality signal

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