

# How to splice fiber optic communication



## Overview

In this guide, you will find a chronological description of the fusion splicing process, the principal technical standards, and answers to the real-life questions network engineers and procurement teams may have. Splicing fiber optic cable is an extremely important phase for making dependable, high-speed communication infrastructures. Regardless of the type of fiber network you're deploying, be it for telecom, enterprise data centers, or smart city infrastructure, fusion splicing provides the benefits of. 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. What is Fiber Optic Splicing and Why is it Needed?

- #1. Whether repairing a broken cable or extending a fiber run, fiber optic splicing ensures light signals travel. Fiber optic cable splicing involves joining two fiber optic cables together. Done right, it produces connections with less than 0. 1dB loss that will last the life of the cable plant.



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