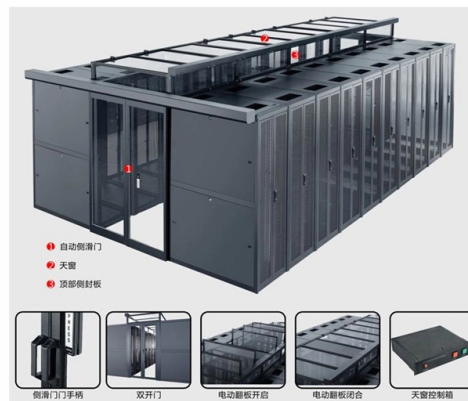


# How to connect fiber optic cables via cold splicing



## AI Overview

Cold splicing joins two fiber optic cables using a mechanical connector, aligning the fibers precisely without heat for a fast, low-loss connection.

### Tools and Materials Needed

- Fiber optic cables to be spliced
- Fiber stripping tool to remove protective coatings
- Fiber cleaver for precise cutting
- Mechanical splice connector (ferrule and body)
- Cleaning materials (lint-free wipes, alcohol)
- Optional: optical power meter or visual fault locator for testing

### Step-by-Step Procedure

#### 1. Prepare the Fiber

- Strip the outer jacket and protective coatings from each fiber using a fiber stripping tool.
- Clean the exposed fiber with alcohol to remove dust or debris, which can interfere with the splice . 2. Cleave the Fiber
- Use a fiber cleaver to cut the fiber ends cleanly and evenly.
- A precise cleave ensures minimal signal loss and proper alignment in the connector
- 3. Insert Fiber into the Ferrule...

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