

# How to connect a network cold splice



## AI Overview

A network cold splice connects two cables mechanically without heat, using a splice sleeve or connector to align and secure the conductors or fibers.

### Steps for Cold Splicing Fiber Optic Cables

- Prepare the fibers: Strip about 3 cm of the outer jacket from each fiber and clean the exposed fiber with alcohol to remove any debris or oils .
- Cut the fiber ends: Use a precision fiber cutter to trim approximately 1.4 cm from each fiber end to ensure a clean, flat surface .
- Insert into the cold connector: Place each fiber end into the cold splice connector, ensuring the bare fibers snap into the central snap ring. Push the side snap rings tightly to secure the fibers .
- Test the connection: Once the fibers are secured, test the splice for signal continuity and light loss. Typical attenuation for cold splices ranges from 0.1 to 0.3 dB per point .
- Finalize the splice: If the test is successful, the splice is complete. Ensure the connector is properly closed and protected to prevent damage.

### Steps for Cold Splicing Electrical or Network Wires

- Strip the cable ends: Remove the insulation from the wires to expose the conductors, typically about 1-2 cm depending on the splice type .
- Insert into the cold applied splice: Place the stripped wire ends into the splice sleeve or connector. Align the conductors carefully to ensure proper contact .
- Secure the splice: Close the splice by pressing, crimping, or snapping the connector according to the manufacturer's instructions. Some cold splices use a gel or adhesive inside the sleeve to improve conductivity and insulation ....

## Article Content

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How To Splice an Ethernet Cable By Twisting The Wires Together Benjamin Sahlstrom

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Choosing A Splice Closure The long term survival of a network depends on the integrity of splice closures

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