

Cold splice for the wire



AI Overview

A cold splice is a method of connecting electrical wires without heat, soldering, or stripping, using mechanical or pre-shrunk materials to ensure a secure and insulated connection. What is a Cold Splice? A cold splice allows you to join two or more wires without applying heat. Unlike soldering or heat-shrink methods, cold splices rely on mechanical connectors, compression fittings, or pre-stretched shrinkable tubing that seals and insulates the connection when installed. This makes them faster, safer, and easier to use, especially in field installations or tight spaces.

Types of Cold Splices

- Cold Shrink Splices** These use pre-stretched silicone tubing that shrinks when the inner core is removed, providing insulation and environmental protection. They are suitable for medium to high voltage cables (up to 145 kV) and can include mechanical or compression connectors. Cold shrink splices are durable, weather-resistant, and maintain high dielectric strength.
- Wire Tap or Scotch Lock Splices** These are snap-on plastic connectors for low-voltage wires (typically 22–26 AWG). You slide the wire into the splice, then compress it with pliers to pierce the insulation and make contact. Some include silicone jelly to prevent oxidation and provide limited weather resistance. They are ideal for quick household, automotive, or hobbyist wiring.
- Inline Cold Shrink Splices** Designed for shielded power cables, these splices maintain shield continuity and can handle 15–35 kV. They often include factory-molded stress cones and silicone rubber bodies for high tear strength and low-temperature recovery.

Advantages of Cold Splices

- No heat required, reducing fire risk and installation complexity.
- Quick and easy installation, saving labor time.
- Reliable insulation and environmental protection, especially for outdoor or high-voltage applications.
- Versatile, with options for low-voltage taps, medium-voltage joints, and high-voltage shielded cables.

Installation Tips

- Use parallel-jaw or slip-joint pliers for wire tap splices; avoid needle-nose pliers as they may not apply enough force.
- Ensure...

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3MTM Cold Shrink Silicone Rubber QS-III splices are designed for easy installation and high reliability. 3M revolutionizes power cable splicing with the Cold Shrink QS-III. The QS-III silicone rubber splice

Cold 2-Wire Splice (UY)

Go "cold splice" with these snap-able plastic splices for fast connections. Use with any 22-26 AWG solid core wire and slip them into the plastic splice so that they

Splices for Solid & Stranded Wire | TE Connectivity

Find many types of wire splices that make it easy to splice solid wires or stranded wires in copper, aluminum, or a combination of both.

Medium Voltage Cold Shrink Splice Kits

3M™ Cold Shrink Shielded Splice Kit 5550 Series are for splicing 5 kV and 8 kV shielded, solid dielectric, power cables. Meets requirements of IEEE 404. Each kit contains all the materials (except

3M Cold Shrink Splices: Splices to Fit All Electrical Cable Systems

History of 3MTM Cold Shrink Technology For over 50 years, professional electrical workers have trusted 3M for innovative solutions that enhance safety and productivity. That's why 3M invented cold shrink

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Cold Splice Wire Tap (UB)

Kiss those days of heat-shrink, melted jacketing and clumsily-arranged third-hand tools goodbye! Go "cold splice" with these snap-able plastic splices for fast

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In this article, we've detailed the most common methods for wire splicing and introduced a new method that could prove an effective alternative for

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Our CoolSplice connectors are wire-to-wire splices designed to connect discrete wires for a wide variety of indoor and outdoor lighting, HVAC, building safety and

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5 Best 6 AWG Wire Connectors | Stop Twisting Wires

This breakdown pulls the most reliable 6 awg wire connectors available right now across three connection styles—non-insulated butt splices, screw-terminal mechanical splices, and ring terminal

3M Cold Shrink Splices

3M electrical splices feature cold shrink technology, which is engineered for easy installation by unwinding the inner core. Reduce the time, labor and cost that

3M Cold Shrink Splices: Splices to Fit All Electrical Cable Systems

3MTM Cold Shrink QS-III Splice cally for the North American market and has a very reliable record. The splice meets the IEEE-404 splice standard test requirements, which are more severe than the IEC

3M™ Cold Shrink Shielded Splice Kits 5550 Series

3M™ Cold Shrink Shielded Splice Kit 5550 Series are for splicing 5 kV and 8 kV shielded, solid dielectric, power cables. Meeting the requirements of IEEE 404,

Splice Kits Selection Guide: Types, Features,

Splice kits are used to establish a connection between two cables. They can come in many configurations, depending on the type of wire or cable being joined.

High-Performance Wire & Splicing Connectors | WAGO

WAGO's wire splicing connectors are the ideal product for electrical installation. Fast and easy to use, they take up minimal space, and provide permanent, secure

CoolSplice: Wire-to-Wire Splice Connectors | TE

Discover CoolSplice connectors for reliable connection. They are a type of splice connectors that provides an elegant solution for connecting discrete wires.

CoolSplice Connectors

TE Connectivity CoolSplice Connectors are available at Mouser. The CoolSplice Connector is a unique wire-to-wire splice connector.

Amazon : Tap Splice Connectors

Simplify your wiring with tap splice connectors. Quickly and securely join wires of various gauges, from 22-10 AWG, for a wide range of electrical applications.

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Splice Kits

3M™ Cold Shrink Shielded Splice Kit 5550 Series are for splicing 5 kV and 8 kV shielded, solid dielectric, power cables. Meets requirements of IEEE 404.

CoolSplice Connectors

TE Connectivity AMP's CoolSplice connectors elegantly combine reliability with ease of termination. The CoolSplice connector from TE is suitable

Contact Us

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