Best Wire Crimping Tool

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If you are looking for the best crimping tool on the market, this guide will walk you through the most important factors you should consider and reviews of some of the most popular crimping tools. No matter if you're a professional electrician or if you just want to do some DIY electrical work, you will likely need a crimping tool. A crimper is a tool used to bind two pieces of wire together, which is useful not only for establishing electrical connections but also for connecting phone and network cables.

There are tons of crimping tools on the market, and obviously, they aren't all alike. Some are simply more versatile, easier to use, and more effective than others.

With Linquip, you can get a comprehensive perspective on crimping tools. The "**Tools and Instruments**" page offers more information on Linquip's solutions for your situation so that you can do your job more efficiently.

With so many wire crimping tools available, it may not be easy to choose the right one. Linquip offers a selection of a variety of **Tools and Instruments Products**, so you can choose the right one for your needs. Using Linquip, you can receive quotes from multiple **Suppliers and Companies** of Tools and Instruments.

The use of a crimping tool is, of course, beneficial when dealing with electronic projects. It is inevitable (depending on their size) that such projects will involve connecting one or more wires. You definitely need a crimping tool in your toolbox if you're an electrician or work in a field where wires are handled and connected frequently.

Wire Crimping Tool Buying Guide

As a matter of fact, one of the easiest and fastest ways to form a cold weld joint is by deforming a metal sleeve around a wire's end with a crimping tool. In order to accomplish projects that require the connection of a lot of wires, one must use a crimping tool. Crimping tools will not only make the job easier, but they will also make the wire connections more reliable and secure.

For your wiring projects, you should also consider a number of other factors, such as materials, applications, and more. Read on to learn more about these factors.

Types

Crimping tools come in different types, and each type has its own advantages and disadvantages. For example, when crimping thicker wires, a hydraulic crimper might be required since thinner wires don't require much force. Three of the most commonly available wire crimping tools are listed below.

Handheld

They are the simplest and most commonly used wire crimping tools. In general, they are used for small wires and are manually operated. Essentially, they resemble conventional pliers and are very portable. A handheld wire crimping tool can also be used as a wire

stripper or a wire cutter. In fact, some are capable of double-duty as pliers that can grip, pull, or loop wires.

Hydraulic

Due to its use of hydraulic fluid, hydraulic wire crimping tools can apply more pressure than handheld crimping tools, making them suitable for thicker wires. There is one limitation to hydraulic wire crimpers: they must be maintained regularly to avoid clogging.

Hammer

A hammer crimper is extremely affordable and works similarly to a handheld or hydraulic crimper, except that you'll have to use it on a flat surface. In simple terms, the end of the wire lies between a die and an anvil, and then a hammer strikes it to form the crimp. The hammer crimpers are effective for thick wire, but they aren't portable enough to be brought to just any job site.

Material

In general, crimping tools of all types are made of steel. Carbon steel is often cited as being durable, but really this is a misnomer. All steel is composed of iron and carbon, so the term "carbon steel" applies to any of these metals.

High carbon steel or hardened steel will increase toughness (a small but significant difference). Since it can withstand high pressures and repeated impacts, it is particularly suitable for hydraulic and hammer crimping tools.

Most handheld crimping tools have rubber or plastic grips on the handles to make them more comfortable to use. These are often quite thin and can break on cheap crimping tools. An ergonomically designed and thicker padding makes higher-quality models easier to grip.

Application

DIYers and hobbyists often try to use a single tool for multiple purposes. It's perfectly understandable since it reduces expenses, but improper fit or pressure can lead to problems. Choosing crimping tools is often a matter of being specific rather than relying on "all-purpose" solutions.

A specialist connector is a good example of this. Many alternatives are available for each application, ranging from budget-friendly to professional options. In spite of the extra cost, contractors often purchase several different crimping tools because having the right tool for the job increases efficiency and reliability.

It's a good idea to read product descriptions before purchasing crimping tools, but if you are not sure which one to choose, do some more research online. Poor connections can eventually lead to a breakdown when the wrong type is used.

Volume of Operation

It is common to find automated machinery in factories and other high-productivity environments. Most general electrical projects do not require such tooling; however, it is still important to consider the volume of operation or the frequency with which it will be used.

In auto shops, for instance, hammer crimping tools are often used for refitting battery cables. You might be able to save money and get adequate performance with an inexpensive tool if it is only needed once a month. Hydraulic crimping tools are more suitable if the same task needs to be carried out several times a day. The cost is higher, but the process is faster and requires less effort.

If you are interested in tinkering with electrical devices as a hobby, you might be able to use a basic handheld crimping tool. When doing the same type of repairs every day, a professional would opt for a model that ratchets to apply the same amount of pressure to every crimp. Moreover, they release automatically, thereby increasing productivity.

Wire Gauge and Crimp Profile

The hydraulic and hammer crimpers offer heavy-duty performance and can handle large wire gauges. In the case of the former, die sizes limit what can be done, whereas, in the case of the latter, the amount of force that can be applied does. As a result of the limited variety of connector types used with these tools, crimp profile-the shape of the crimp before it’s compressed-is of little importance.

It is possible to choose from a variety of profiles when working on more general electrical projects, for instance, when repairing household appliances. The most common are hex, circular, indented, and B-Crimp. A crimp’s profile determines how it closes around the cable, so selecting the right jaw type is essential.

Handheld crimping tools usually offer a variety of cable gauges and should specify which profile they are capable of providing. This isn’t always the case, so make sure to check the manufacturer’s specifications.

Connector Types

Electrical crimp connectors are available in a wide range of materials and styles, including nylon, PVC, non-insulated, insulated, heat shrinkable, ring, spade, Faston, Lucar, and Shur-Plug.

Several of these descriptions have little effect on the crimping tool that is used since they define how two components are connected. It is important, however, to understand connector specifications so that you can select a suitable crimping tool. For example, nylon wire connectors work better with some types of crimping tools than PVC connectors, for example. Many manufacturers make this easy for you by providing clear definitions and color-coding the jaws so that you can identify them quickly.

Versatility

Although it's advisable to buy a crimping tool that matches the cable size and crimps as closely as possible, these tools are also versatile. The basic models are capable of handling a wide range of cable sizes and connector diameters. A better-quality tool may have replaceable jaw sets, which allow you to work with three or four times as many sizes and connector types.

Some crimping tools incorporate blades to assist with wire stripping, a necessary step in the process. Also included may be cutters for trimming cable to length. This can be extended further by adding cable testers or terminals to crimping tool kits.

Best Wire Crimping Tool Reviews

We selected the following tools based on the criteria outlined above, as well as their precision and durability. Our review of wire crimping tools included thorough product research.

1. Titan 11477 Ratcheting Wire Terminal Crimper Tool

Titan 11477 Ratcheting Wire Terminal Crimper Tool (Reference: **titan-us.com**)

Pros & Cons

Pros

- This wire crimper is of high quality.
- Most buyers will find it reasonably priced.
- It offers compatibility with a wide range of wire sizes.
- Hand strength is maintained by lightweight action and ergonomic handles.
- After double-crimping is complete, the quick-release lever activates.

Cons

- The fixed jaws limit the versatility of the device.

- No warranty is included.

Specifications

Weight	1.17 pounds
Dimensions	0.9 x 4.7 x 11.5 inches
Handle Material	Nylon
Grip Type	Ergonomic
Material	Steel
Power Source	Hand Powered

This Titan wire crimping tool offers ease of use, repeatable performance, and excellent value for both professionals and amateurs. With cable diameters ranging from 22 AWG up to 10 AWG, it can handle the common insulated nylon terminal type. Cable security is enhanced by the double-crimp die. Identifiability and productivity are enhanced by color-coding the jaws.

Despite the powerful torque generated by the ratcheting action, hands will not tire too quickly from the smooth action. In addition, ergonomic handles feature a handy quick-release lever in case of those occasional jams. Another feature of the handle is a quick-release mechanism that activates following double-crimping. One drawback of this crimper is that its jaws aren't adjustable or interchangeable.

2. NEIKO 02037A Compact Wire Crimper, Cutter and Gripper

NEIKO 02037A Wire Crimper, Cutter and Gripper (Reference: **neikotools.com**)

Pros & Cons

Pros

- The price is very reasonable.
- The package includes a cutter and strippers.
- It comes with high-quality steel that compares favorably with most of the affordable options.

Cons

There isn't enough padding on the grips.

Specifications

Weight	0.15 Pounds
Dimensions	0.7 x 3.7 x 8.66 inches

Grip Type	Ergonomic
Material	Metal
Power Source	Hand Powered

Neiko's 4-in-1 crimper is one of the most affordable crimping tools available, capable of gripping, bending, stripping, and crimping insulated and non-insulated connectors ranging from 20 AWG to 12 AWG. With an 8.6-inch length, this versatile, well-priced device is easy to store in a toolbox yet produces plenty of leverage when crimping nylon terminals (although it can also handle PVC).

In contrast to cheap wire crimpers, which are often punched out of sheets of metal, forged alloy steel is hammered into shape at a molten state under high pressure, giving these tools their durability. CNC machining and heat treatment keep cutting edges sharp longer. This tool is extremely versatile, but its grips could be more comfortable, but that is a minor complaint.

3. IRWIN Vise-Grip Wire Stripping Tool


PLIERS
22/20
18
16
14
12
10
STRIP
SOLID
CUT
LOOP
5-40
10-24
6-32
4-40
8-32
10-32
INSERT
SCREW THIS
SIDE
INSUL. AND
NON-INSUL
16-10
22-18
CRIMP
INSULATION
ONLY
7-8MM
AUTO

IRWIN Vise-Grip Wire Stripping Tool (Reference: **irwin.com**)

Pros & Cons

Pros

- Its ergonomic design makes it comfortable to use.
- It is easy to operate without requiring a lot of force.
- The head has a plier-like design that makes it easy to reach narrow areas.
- The head is etched with handy markings.
- It's a great deal for the money.

Cons

Smaller hands might not be able to handle the wide grip.

Specifications

Weight	0.19 Pounds
Dimensions	10.1 x 3.9 x 0.8 inches
Grip Type	Ergonomic
Size	8-inch

High-quality crimping tools should be comfortable, as this increases productivity. The Irwin Vise-grip tool was designed with this in mind by its manufacturers. To enhance your comfort while using this unit, it has an ergonomic handle with patented vise grip technology. Also, it ensures that you don't have to exert much pressure when crimping, so you can work longer without becoming fatigued.

A variety of measurements and markings are also included on the jaw of the Irwin Vise-grip to help you make the correct settings. Even as the tool ages, these markings remain visible and clear because they are etched into the metal. You can also fine-tune the crimper using AWG selection dials.

Irwin Vise-Grip crimpers come with heavy-duty, durable cutters that easily cut 10-22 AWG wire. Additionally, they reduce metal dust generation while providing a clean finish. This crimper can fit in small spaces due to its plier-shaped head, making it useful across a wide range of applications. For people with smaller hands, however, it is difficult to use these crimpers since their grip is quite wide.

This wire crimping tool is an all-around good crimping tool, and it will suit the needs of almost everyone, including professionals. Additionally, given its price point, it is undoubtedly an excellent wire crimping tool.

4. Wirefy Crimping Tool Set 5 PCS

Wirefy Crimping Tool Set 5 PCS (Reference: **wirefyshop.com**)

Pros & Cons

Pros

- The transmission of force is excellent, which reduces the effort involved.
- The grip is ergonomically designed for comfort.
- It is a long-lasting product.

Cons

It’s expensive.

Specifications

Weight	2.43 Pounds
Dimensions	11 x 7.68 x 1.97 inches

Grip Type	Ergonomic
Handle Material	Nylon

It features an innovative ratcheting system that enhances the efficiency of your crimping. In this way, you rarely have to repeat the process more than once in order to make a solid crimp. These crimpers are especially useful when you need to connect heat shrink connectors.

You can adjust crimp height more efficiently with the CRMP-A5's star wheel. You can use the exact amount of crimping pressure you need for a particular type of wire this way. This prevents you from wasting energy.

In addition, this crimper features an automatic release mechanism that allows the jaws to be safely released once the crimping process has been completed. As a result, you do not have to apply force yourself. With ergonomic handles and cushioned grips, this crimping tool enhances comfort and ease of use. The non-slippery nature of this design ensures a more comfortable grip when making 22-10 AWG splices, as well as a stronger grip.

We also like the possibility of locking the connectors before inserting the wires with the CRMP-A5. With this unique feature, you can always align the connectors perfectly.

The Wirefy CRMP-A5 is a fairly expensive crimper, but its quality, detailed design, and reliability make it well worth the cost.

5. TEMCo Hammer Lug Crimper Tool

TEMCo Hammer Lug Crimper Tool (Reference: **temcoindustrial.com**)

Pros & Cons

Pros

- For easy use, it mounts to a workbench.
- It is capable of handling very large cables.
- This universal die eliminates the guesswork of crimping.

Cons

It won’t work on small wires and terminals.

Specifications

Weight	1.5 Pounds
Dimensions	6 x 6 x 6 inches
Grip Type	Textured
Terminal Type	Uninsulated battery and welding terminals

The modern automotive circuitry enables little intervention from mechanics or engineers —mostly, a fault must be identified, and the board replaced. It is still possible, however, to damage or break the battery terminals. This TEMCo hammer crimper mounts on a bench and provides an easy-to-use, highly durable solution as well as a straightforward, low-cost option for low-volume applications.

Due to the V-shaped jaws, terminals rest securely in place without worrying about them fitting incorrectly. A hammer or bench vise is then used to strike the crimping ram. This hammer lug crimper can attach heavy-duty terminals to welding equipment cables, but it is not suitable for small wires or terminals since the ram accommodates wire sizes ranging from 8 AWG to 4/0 AWG.

6. Klein Tools 3005CR Wire Crimper Tool

Klein Tools 3005CR Wire Crimper Tool (Reference: **kleintools.com**)

Pros & Cons

Pros

- Price-to-value ratio is decent.
- It is a wire crimper with all-round functionality.
- In one die head, there are multiple cavities.

Cons

The option isn’t the most portable.

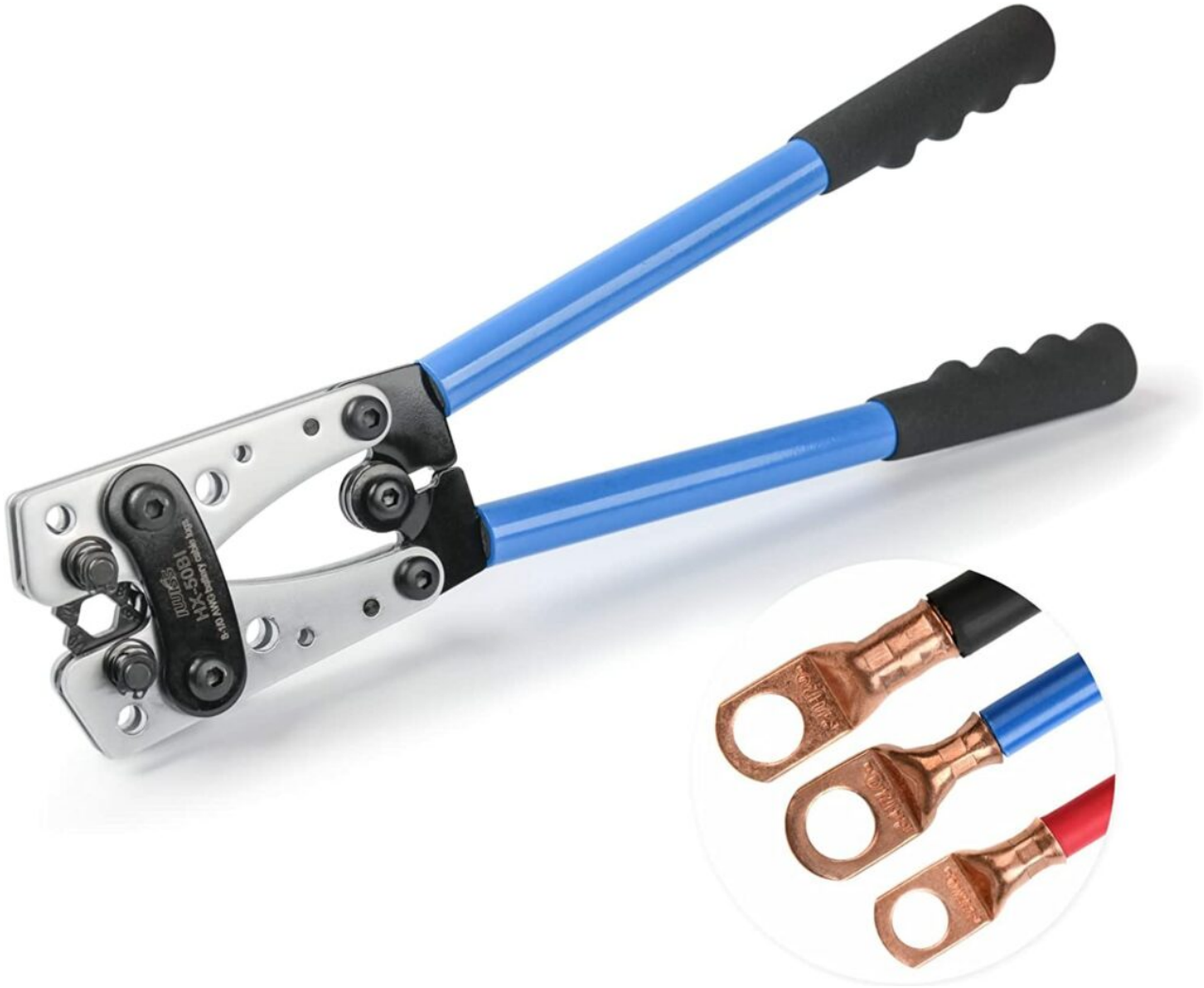
Specifications

Weight	1.3 Pounds
Dimensions	1 x 1 x 1 inches
Grip Type	Ergonomic
Handle Material	Plastic
Material	Steel
Power Source	Hand powered

As a brand, Klein Tools primarily manufactures small yet highly effective, heavy-duty tools that are not very expensive. With this Klein Tools 3005CR wire crimper, you get excellent value for money. With this wire crimper, you get three cavities despite the given price.

Therefore, you can work on most wires with ease because it supports AWG 10 to AWG 22-sized wires. A 1-year warranty and durable build quality are other great things about this wire crimper. There is, however, one negative aspect to this wire crimper: its size can be a bit of a turnoff for some users.

7. IWISS Cable Lug Crimping Tool for Heavy Duty Wire



IWISS Cable Lug Crimping Tool (Reference: **iwiss.com**)

Pros & Cons

Pros

- A long handle gives you a lot of leverage.
- Non-slip grips ensure a secure grip.
- The crimper comes with built-in dies.

Cons

When working with smaller wires, it can be a bit cumbersome.

Specifications

Weight	0.01 Ounces
Dimensions	14.96 x 5.91 x 1.57 inches
Grip Type	Ergonomic
Handle Material	PVC
Material	Metal

Power Source	Hand powered
Thickness	4.2 Centimeters

There is more force and leverage required with thick cables and heavy-duty lugs. A cable lug crimping tool from IWISS combines extended handles for leverage and non slip grips to ensure a sure grip while bearing down. There are also rotating dies to accommodate wire gauges of 8, 6, 4, 2, 1, and 1/0.

This heavy-duty lug crimper manufactured by IWISS features high-quality steel construction and can be used on copper and aluminum non-insulated lugs in addition to standard electrical connectors. With this crimper, users might experience difficulty aligning terminals on smaller wires while holding it with both hands.

8. WGGE WG-015 Professional Crimping Tool

WGGE WG-015 Professional Crimping Tool (Reference: **wgelectronics.com**)

Pros & Cons

Pros

- The user interface is quite comfortable.
- This product is remarkable in terms of durability.
- The product is designed to fit a variety of hand sizes.
- Color-coded etchings make it easier to use.
- The price is great.

Cons

Larger wires cannot be handled because of a lack of space.

Specifications

Weight	7.8 Ounces
Dimensions	9.84 x 5.91 x 1.97 inches
Grip Type	Ergonomic
Handle Material	Alloy Steel
Material	High carbon alloy steel

Crimping solid copper wire from 10 to 22 AWG is relatively easy with the WGGE WG-015. Additionally, the color-coded reference markings etched on its head make it extremely easy to use. They make cutting and stripping easier and faster because they provide a reference point, resulting in greater efficiency.

You will be able to work comfortably with this pair of crimpers thanks to their ergonomic handles that feature soft grips. In addition, the WG-015 has a reasonable separation between the handles, which makes it ideal for all hand sizes.

The design of this crimper allows you to strip wires effectively without having to exert too much energy. Its jaws are also made of carbon steel alloy, which will be a great asset to you in the long run. By doing so, they are not only durable and resistant to heavy-duty use but also reliable tools that you can rely upon for years to come.

Wires can be easily maneuvered in tight or awkward spaces with the WG-015's plier tip design. However, it may be unable to handle bigger wires due to its design.

9. Channellock 909 9.5-Inch Wire Crimping Tool


CHANNELLOCK
MADE IN USA
№ 909

Channellock 909 9.5-Inch Wire Crimping Tool
(Reference: **channellock.com**)

Pros & Cons

Pros

- High-carbon steel construction ensures durability.
- Even after constant use, the jaws remain sharp.
- Long handles provide leverage.
- A heat-treated finish prevents rusting.

Cons

In comparison to most crimpers, this is heavier.

Specifications

Weight	0.87 Pounds
Dimensions	0.9 x 4.7 x 11.5 inches
Grip Type	Ergonomic
Handle Material	High Carbon Steel
Material	Metal
Power Source	Hand Powered

The long and sleek design of these crimpers makes it easy to cut most wire sizes from 10 to 22 AWG with minimal effort. To enhance its durability, Channellock 909's cutting edges are carbon-infused. Furthermore, the metal part of this tool is heat-treated so that it will last for an extended period of time.

Furthermore, this crimper is quite comfortable to use. It has ergonomic handles, as well as well-spaced grips, which make it comfortable to hold in most hands. Furthermore, the long handles provide leverage, so you don't have to apply much pressure to accomplish your task.

However, the Channellock 909 is one of the heaviest crimping tools available due to its high-carbon steel construction.

10. haisstronica Crimping Tool

haisstronica Crimping Tool (Reference: **haisstronica.com**)

Pros & Cons

Pros

- This is a great choice for heat shrink connectors.
- A ratcheting mechanism is built into the handle.
- The price is excellent.

Cons

You will easily tire from it.

Specifications

Weight	1.21 pounds

Dimensions	11.06 x 4.29 x 1.1 inches
Grip Type	Ergonomic
Handle Material	Nylon

A great value crimper, the Haisstronica HS-8327 is ideal for heat shrink connectors. This tool's jaws feature a special design that makes crimping various types of heat shrink connectors relatively simple.

Having markings on its jaws makes this crimper easy to use, so you don't have to waste time trying to figure out which wire goes where. Furthermore, it has an auto-adjusting ratchet mechanism that ensures a solid crimp every time. A star wheel on the HS-8327 allows you to adjust the crimping force to meet your needs.

Using this tool is quite comfortable due to its ergonomic design. A nylon, non-slip handle provides enhanced grip and comfort, and a quick-release lever makes it easy to open the jaws.

Although the Haisstronica HS-8327 features a sophisticated design, it still requires a substantial amount of pressure to crimp.
