



JACKNACK TELECOMMUNICATIONS CABLE PREPARATION TOOLS

Putting a New Spin on
Twisted Wire Termination

FAST FACTS

- Cable Jacket Stripper
- Cable Filler Sheer
- JackNack Clamp
- Wire Placement Tool
- Lightweight Design
- Ergonomic Design
- Portable
- Convenient

The JackNack Tool

Untwisting wires sounds easy, doesn't it? It might sound easy to anyone who doesn't do a lot of it. The truth is that more time is dedicated to preparing a cable than to actually terminating it, and the longest part of the preparation process is untwisting wires. It is also one of the largest factors to the ultimate speed, loss, and cross talk. So, proper cable preparation is an absolute necessity in order to obtain the desired performance.

Network installers and anyone who works in the telecommunications industry can quickly understand the amount of time required to prepare Category 5, 5e, or 6 cables for termination. First, the cable jacket must be stripped, then the rip cord and cable filler are trimmed and then comes the untwisting and lacing of the wires. Finally, the termination is made. In total, the process can take 3-4 minutes. Some people will claim it can be done in 1-2 minutes, but this is rarely a pace that can be maintained for an entire day's work. That is, until now.

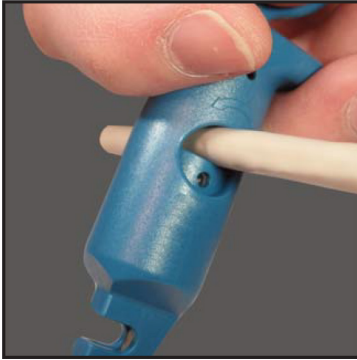
The new JackNack Tool from TE Connectivity provides a simple method to perform all the basic cable preparation functions including the time-consuming untwisting of wires. When the tool is used in conjunction with the TE SL Mod Jack hand tool (P/N 1725150-x), the results are a quick termination that is reliable and repeatable between operators, regardless of their experience level.

A New Spin on Untwisting

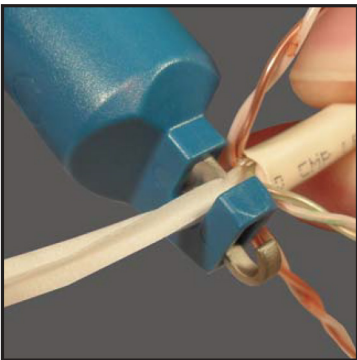
The most novel feature of this tool is its ability to untwist twisted wire pairs. An installer simply presses the finger loop to extend the wire clamp, places the wires in the wire clamp, releases the finger loop, and twirls the tool around his or her finger. This method is much quicker than untwisting by hand and is also much easier on the installer's fingers. When used properly, the minimum amount of untwist can easily be maintained. Once the wires are untwisted, the installer can keep the wires clamped to place them in the lacing fixture or the connector. After that, it is a simple termination to complete the process..

Part Number:
2119000-1
Instruction Sheet
408-10326





Strips the cable jacket on cables with diameters ranging from 4.83-10.16mm [.190-400 in].

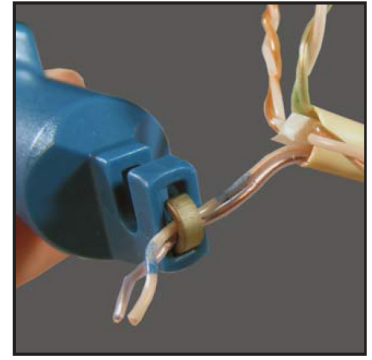


Easily cuts the cable filler with the cable filler shear.

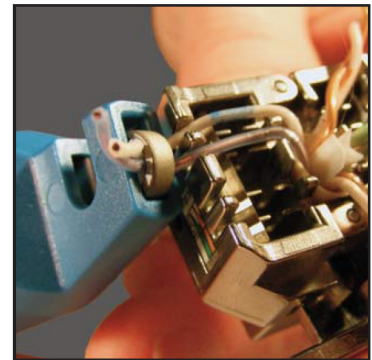
Additional Features

The tool also incorporates a jacket stripper and a cable filler shear that allows for trimming the cable filler as well as cutting the rip cord, thereby replacing the multiple tools that are often found on an installer's tool belt. The JackKnack Tool is designed so that the installer never has to put it down throughout the entire termination process—the finger loop that is used to actuate the tool also allows the installer to keep the tool on a finger while not using the tool. The tool is sized to be unobtrusive for small hands, but still easily usable for large hands.

The JackKnack Tool is a testament to the TE commitment to continuous improvement of even the most simple and mundane tasks. This tool can boost productivity and, when used with the SL mod jack hand tool, it provides an advantage to both the installer and end user.



Untwists wire pairs with the innovative wire hook.



Easily places wire in SL mod jack lacing fixture.

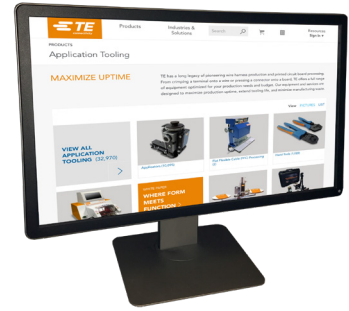


Keep the JackKnack Tool hanging around performing other tasks.



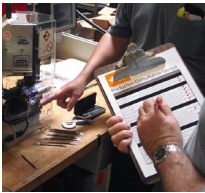
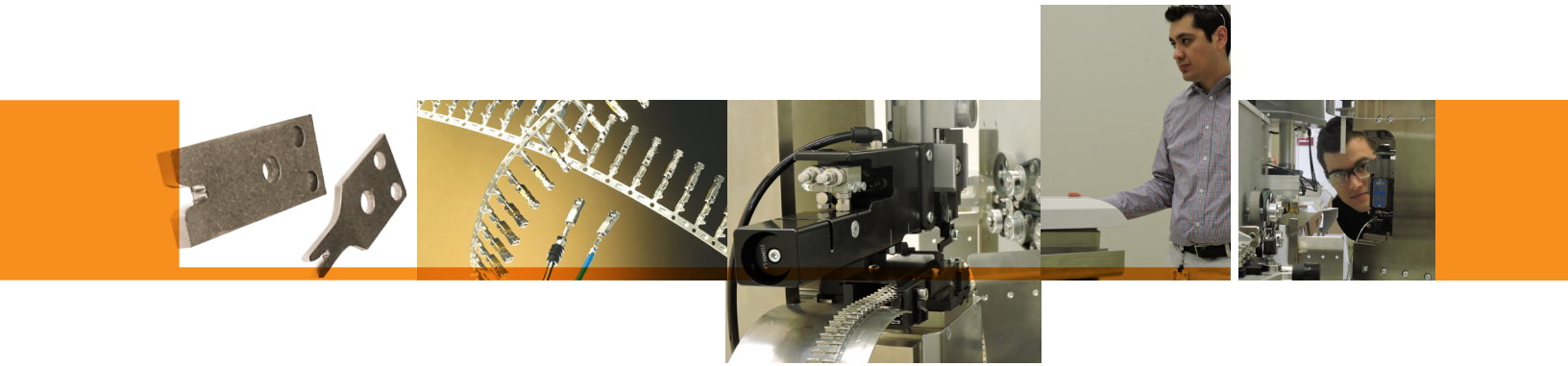
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PROPER USE GUIDELINES

Cumulative Trauma Disorders can result from the prolonged use of manually powered hand tools. Hand tools are intended for occasional use and low volume applications. A wide selection of powered application equipment for extended-use, production operations is available.

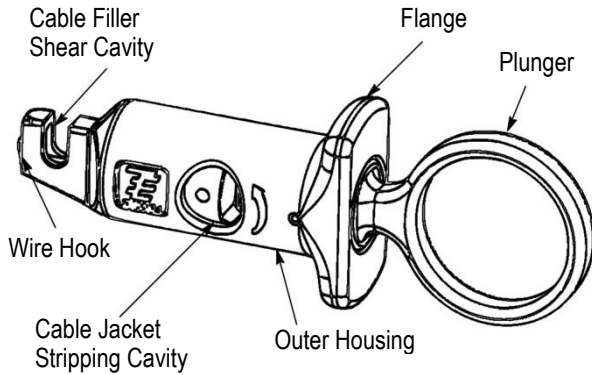


Figure 1

1. INTRODUCTION

JackKnack Telecommunications Cable Preparation Tool 2119000-1 is designed to strip the cable jacket, cut the cable filler, and untwist twisted wire pairs in most Category 5 and Category 6 telecommunications cable. Read these instructions thoroughly before using the tool.

2. DESCRIPTION (Figure 1)

The JackKnack tool consists of an outer housing, a plunger, a cable jacket stripping cavity, a cable filler shear cavity, and a wire hook. The plunger has a loop that is designed to accept a user's finger and the outer housing has two flanges to accept user's fingers. When the plunger is depressed, the cable jacket stripping cavity opens, the cable filler shear blade actuates, and the wire hook extends. The tool is designed to fit comfortably on a user's hand throughout the entire preparation and termination process.

3. STRIPPING THE CABLE JACKET (Figure 2)



NOTE

The JackKnack tool is capable of stripping the cable jacket of cables ranging from an outer diameter of 4.83-10.16 mm [.190-.400 in.].

1. To strip the cable jacket, depress the plunger using the finger loop and the housing flanges.
2. While the plunger is extended, place the cable in the cable jacket stripping cavity.
3. Release the plunger, allowing the plunger to retract and the cable jacket stripping blade to pierce the cable jacket.
4. Rotate the tool around the wire in either direction as indicated by the arrow shown in Figure 2. Rotating the tool toward the larger arrow provides a deeper cut while rotating the tool toward the smaller arrow provides a shallower cut.



CAUTION

Care should be taken to avoid cutting or nicking wire insulation. A good practice is to score the cable jacket without breaking through the cable jacket. The cable jacket can be easily removed by hand after scoring.

5. After the cable jacket is cut, depress the plunger again to allow the cable to be removed from the cable jacket stripping cavity.
6. Remove the cable jacket portion from the cable.

4. CUTTING THE CABLE FILLER (Figure 3)

1. Bend the twisted pairs away from the cable filler.

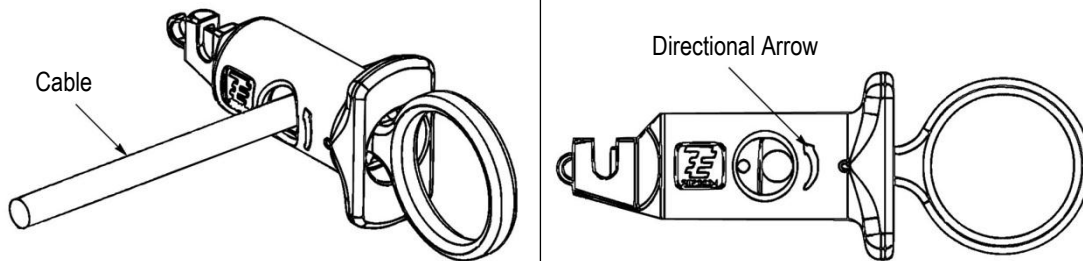


Figure 2

2. To cut the cable filler, place the cable filler into the cable filler shear cavity.
3. Depress the plunger using the finger loop and the housing flanges to extend the shear blade and cut the cable filler.



NOTE

To minimize the length of the cable filler after the cut, the cable should be pushed against the housing.



CAUTION

Do not attempt to cut wires or any other object except for cable filler material in the cable filler shear.

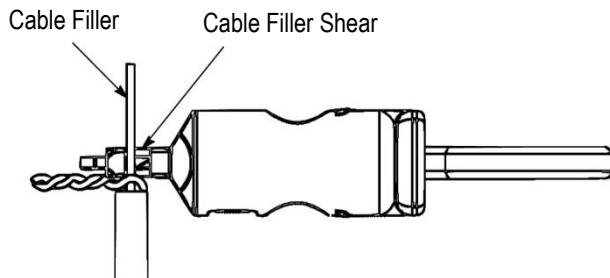


Figure 3

5. UNTWISTING TWISTED WIRE PAIRS (Figures 4 & 5)

1. To untwist a twisted wire pair, depress the plunger using the finger loop and the housing flanges to extend the wire hook.
2. Place the twisted wire pair in the wire hook and release the plunger to clamp the wires. See Figure 4.

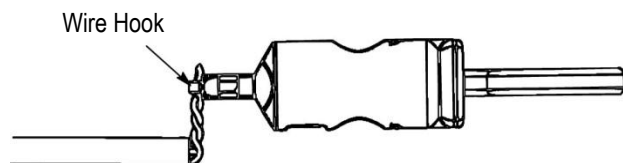


Figure 4

3. Twirl the tool around a finger using the finger loop to untwist the twisted wire pair, as shown in Figure 5.
4. To release the wires from the wire hook, depress the plunger and remove the wires.



NOTE

The JackNack tool can also assist in placing the untwisted wires into the Lacing Fixture (Part Number 1673956-1) of a TE SL Mod Jack Tool (Part Number 1725150-1) before releasing the wires from the wire hook.

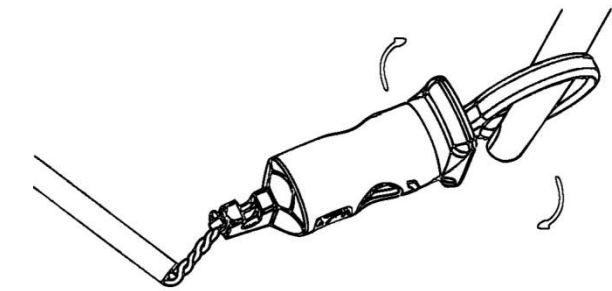


Figure 5

6. REPLACING THE CABLE JACKET STRIPPING BLADE (Figure 6)



DANGER

Care should be taken while handling the cable jacket stripping blade, as it can be very sharp.

1. To remove the old blade, loosen the blade holding screw and remove the blade through the cable jacket stripping cavity.
2. Place the new blade through the cable jacket stripping cavity into the position of the old blade.
3. Replace the blade holding screw.



NOTE

For best performance, the stripping blade should be placed as far as possible toward the wire hook end of the tool before fully tightening the blade holding screw.

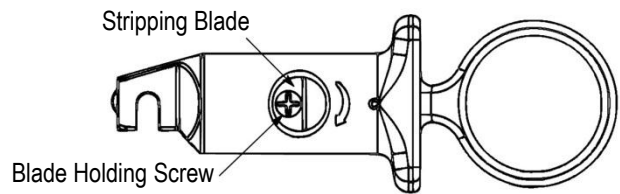


Figure 6

7. ORDERING INFORMATION/REPLACEMENT PARTS

The only part that is replaceable is the cable jacket stripping blade 231674-2. Order this part or additional JackNack tools through your TE Representative, or call 1-800-526-5142, or send a facsimile of your purchase order to 1-717-986-7605, or write to:

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