Owner's Manual

RJ11/RJ12/RJ45 Cable Crimper/Stripper with Built-In Tester

Model: T100-001-TST

Este manual esta disponible en español en la página de Tripp Lite: www.tripplite.com

Ce manuel est disponible en français sur le site Web de Tripp Lite : www.tripplite.com

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Package Includes

- T100-001-TST
- Owner's Manual

Product Features

- All-in-one crimping tool efficiently cuts and strips LAN cables up to 12 mm in diameter
- Multifunctional crimping tool creates all 8P8C, 6P6C and 4P4C plug types
- Built-in UTP/STP cable tester quickly and accurately identifies wiring faults in newly crimped or existing in-wall LAN cables up to 600 ft. (183 m) with detachable remote unit
- Ergonomic design with non-slip handles for secure grip
- Perfect for creating custom design cables

Operation

Opening / Closing the Tool

To open the tool handles, simply squeeze the handles together and release. To lock the handles in place, gently squeeze the handles together (one or two clicks) and release.

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Operation

Cutting Cable

A single blade for cutting cable is located on the back of the tool. To use, insert the desired cable length into the slot labeled "CUT". To cut the cable, squeeze the handles together until the cable cleanly separates.

Stripping Flat Cable

On the same side of the tool as the double blades, insert the cable between the blades. Squeeze the handles together to score each side of the cable, then pull off the jacket.

Stripping Round Cable

Insert the cable into the slot labeled "12MM ROUN CABLE". Squeeze the handles together and rotate the tool around the cable to score the jacket. Pull off the jacket.

Crimping Connectors

Once the jacket has been stripped from the cable, insert the freestanding cable wires into the appropriate modular connector plug type. Next, insert the plug into the tool's corresponding 4-Pin (located on the back), 6-Pin, or 8-Pin slot. Squeeze the handles to crimp.

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Operation

Testing Uninstalled Cables

When testing uninstalled patch cables, the remote unit can remain attached to the base of the main unit's handle. Connect one end of the cable to be tested to the main unit. Connect the other end of the cable to the remote unit. Push the "TEST" button to initiate the test. Note the LEDs present to determine the cable's wiring status.

Testing Installed Cables

When testing installed patch cables, detach the remote unit from the main unit's base to allow for room-to-room testing. Using a jumper cable (not included), connect the remote unit to the wall jack or patch panel to be tested. Using a second jumper cable (not included), connect the main unit to the other wall jack or patch panel. Push the "TEST" button to initiate the test. Note the LEDs present to determine the cable's wiring status.

Once testing is completed, the remote unit will securely snap into the base of the handle for easy storage and transport.

Note: This product is designed to test cable lengths up to 600 ft./183 m.

Cable Test Results

Pass Indicators:

Shield
Green SHIELD LED indicates the shield on the cable is correctly and continuously wired through the modular plug termination.

Standard Wiring
Four green LEDs on pairs 1-2, 3-6, 4-5, and 7-8 indicate all four pairs are terminated correctly.

Fail Indicators:
A flashing green LED indicates which wire pair(s) have a fault. A solid red LED in the FAIL section will indicate which fault(s) are detected. Multiple flashing green LEDs or solid red LEDs indicate multiple pairs and/or multiple faults.

Short
A short circuit condition exists.

Open
An open circuit condition exists. **There is no "OPEN" LED indicator. OPENS are displayed as an unlit LED.** See DEBUG Example #2 as reference.

Cable Test Results

Miswire

Indicates the improper assignment of one or more individual wire pairs to its pins for the wiring schemes tested. The tester checks T568A, T568B, 10Base-T and Token Ring configuration.

Reversal

Reverse wiring means the pin for one wire in a pair is connected to the opposite pin for the pair in the remote jack.

Tip
Ring
Marked tip (actually ring)
Roll
Marked tip (actually tip)
Reversed
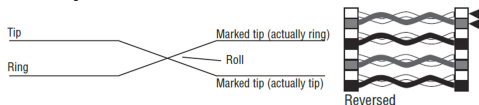
Split Pairs

Split pairs occur when the tip (positive conductor) and ring (negative conductor) of two twisted pairs are interchanged.

Tip (first pair)   Split   Split tip
Ring   Ring
Tip (second pair)   Split tip
Ring   Ring
Split
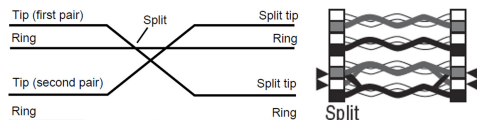
Note: The T100-001-TST will check a fault condition in the above order before detecting other fault conditions. The detection and indication of a fault is handled on a one-per-test basis. Once a fault is corrected, it is recommended the cable be tested again for other faults.

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DEBUG Mode

Debug mode allows you to identify which cable pairs have a wiring fault. This mode cycles through each cable pair, displaying a test result for one pair at a time. From the series of LED indicators, the failed pair and fault condition can be identified. In Debug mode, the first short flash on the PAIR LEDs display the pair under test. The second long flash on the PAIR LEDs is the destination of the test.

To DEBUG:

1. Press and hold the "TEST" button unitl all cable pairs have been tested.
2. The PAIR identification LEDs and the FAIL LEDs work together in series to identify which pair(s) are incorrectly wired.
3. If a series of two green LEDs (one short and one long) display as a pair, then that pair is wired correctly.
4. A green PAIR LED followed by a red LED in the FAIL section reveals which pair is incorrectly wired and the fault associated with that pair.
5. Debug mode continues to cycle through each cable pair until the "TEST" button is released, termintating the test.

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DEBUG Mode

DEBUG Example #1:

The cable fault is a short on Pair 3-6, the Debug mode LED series is as follows:

- Pair 1-2 will flash green-green as a good pair.
- Pair 3-6 will flash green on the PAIR LED followed by a red on the SHORT LED.
- Pair 4-5 will flash green-green as a good pair.
- Pair 7-8 will flash green-green as a good pair.

Note: SHIELD LED will not illuminate if the cable being tested is a UTP cable.

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DEBUG Mode

DEBUG Example #2:

The following are examples of potential LED sequences on Pair 1-2 and possible fault conditions for that pair only.

1st Short Flash	2nd Long Flash	Red Fault LEDs	Fault Condition
1-2	1-2	No Red LED	Good Pair
1-2	None	No Red LED	Open Condition
1-2	1-2	Reversal	Pair Reversed 1-2, 2-1
1-2	1-2	Short	Pin 1 Shorted to Pin 2
1-2	7-8	Miswire	Pin 1 - Pin 7, Pin 2 - Pin 8
1-2	7-8	Miswire, Reversal	Pin 1 - Pin 8, Pin 2 - Pin 7
1-2	1-2	Split Pair	Wire from 1-2 twisted with wire from another pair, continuity good

Note: The above examples are for Pair 1-2 only. Similar LEDs would relate to other pairs under test (short flash).

Battery Replacement

1. Remove the cover plate to change the batteries.

2. Remove old batteries.

3. Install a new 6-volt A544 1/2AA size battery or 4 LR44 Button Cell batteries.

4. Slide cover plate back into place.

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Warranty and Product Registration

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• Send the new equipment back for recycling when this ultimately becomes waste

Use of this equipment in life support applications where failure of this equipment can reasonably be expected to cause the failure of the life support equipment or to significantly affect its safety or effectiveness is not recommended.

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