KLEIN TOOLS VDV526-100 Lan Explorer Data Cable Tester with Remote Instructions

Contents

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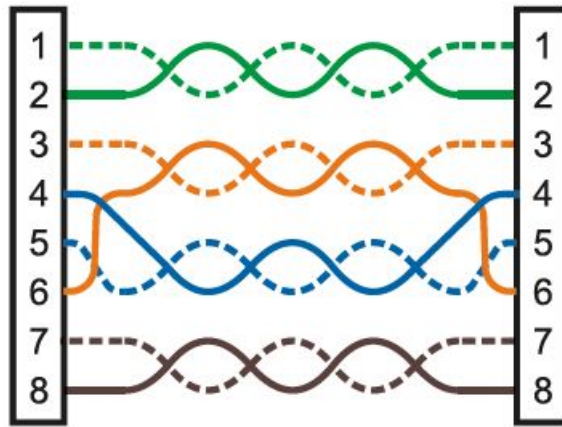
FEATURE DETAILS

TESTER

1. RJ45 Shielded Jack
2. RJ11/RJ12 Shielded Jack
3. PASS Indicators
4. Shield Indicator
5. Test Button
6. Low Battery Indicator
7. Power On Indicator
8. FAULT Indicators
9. Battery Cover
10. Screw

REMOTE

11. Release Latch
12. RJ45 Shielded Jack
13. RJ11/RJ12 Shielded Jack

WIRING CONDITION INDICATORS

PROPERLY WIRED T568A
NEAR END

PROPERLY WIRED T568B
NEAR END
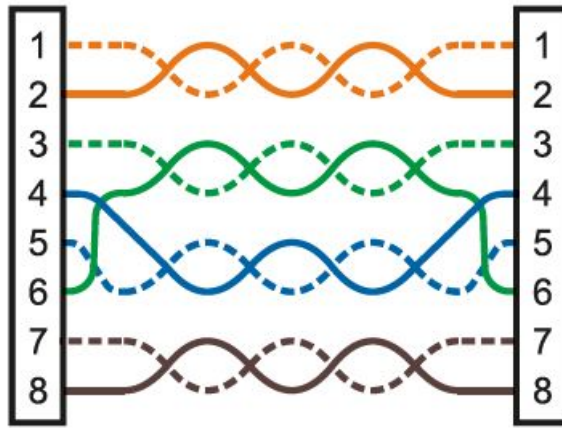
T568A CABLE WITH SHORT AND OPEN
NEAR END

The 1-2 pair pins are shorted together and the 7-8 pair is open. The SHORT LED and OPEN LED will illuminate simultaneously.

T568A CABLE WITH A MISWIRE AND UNRECOGNIZED CONTINUITY
NEAR END

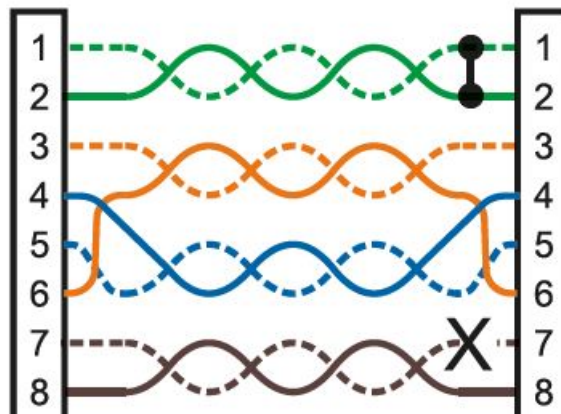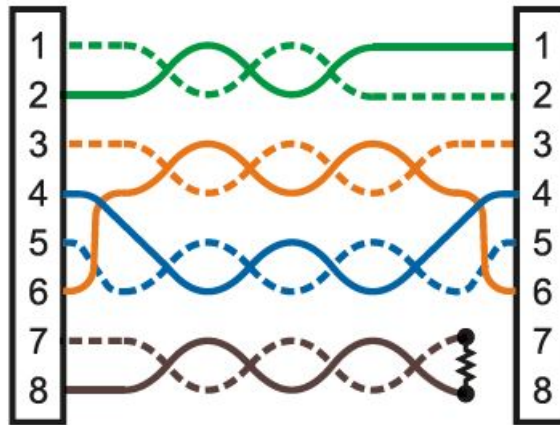Pins 1 and 2 on the Near end are connected to Pins 2 and 1 on the Far End.

GENERAL SPECIFICATIONS

The Klein Tools LAN Explorer™ is a portable voice and data cable tester. It tests and troubleshoots RJ45, RJ11 and RJ12 terminated cables and patch cords.

- Operating Altitude: 6562 ft. (2000 m)
- Relative Humidity: <90% non-condensing
- Operating Temperature: 14°F to 122°F (-10°C to 50°C)
- Storage Temperature: -4°F to 122°F (-20°C to 50°C)
- Dimensions: 4.9″ x 2.5″ x 1.3″ (12.6 x 6.4 x 3.2 cm)
- Weight: 5.0 oz. (142 g) including batteries and remote
- Battery: 9V
- Maximum non-damaging voltage between pins (RJ Jacks): 66V DC or 55V AC
- Cable Types: Shielded or Unshielded; Cat7, Cat6/6A, Cat5e, Cat3
- Maximum Cable Length: 1000 ft. (305 m)
- Minimum Cable Length (for Split Pair detection): 1.5 ft. (0.5 m)

    Specifications subject to change.

KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE

WARNINGS

To ensure safe operations, follow these instructions. Failure to observe these warnings can result in fire, electric shock, severe injury or death.

- Read all safety Information before using the product.
- Carefully read all instructions.
- The Lan explorer™ is designed for use on unpowered/dark cable systems.
- Do Not connect Lan explorer™ to live AC power.
- Poorly terminated plugs will damage the jacks on the LAN Explorer. Visually inspect plug before inserting it into the tester.
- This product is for indoor use only.
- Turn off Lan explorer™ before attempting to replace batteries.
- Do not open the case, other than the battery compartment.

- The battery door must be in place and secure before operating product

CAUTION

- No user-serviceable parts inside.
- Do NOT expose to open flame, heat sources, equipment that produces heat, or extremes of environmental temperature

WARNING SYMBOLS ON TESTER

WIRING CONDITION INDICATORS

NOTE: See FIG. 1 below for examples of correctly and incorrectly wired connectors.

- **PASS INDICATORS 3**
  Will illuminate if the cable is properly wired. For RJ45, the 4 pairs are wired according to the T568A/568B data cable standards or if cable is wired straight through on RJ11 or RJ12 terminated plugs.
- **FAULT INDICATORS 8**
  MISWIRE: Illuminates if the cable is not wired to one of the cabling standards shown below, or if the conductor wire order on the near end do not match the conductor wire order on the opposite end, i.e. if Pin 1 on near end is wired to Pin 2 on the far end.
  OPEN: Illuminates if one or more of the conductor wires on the near end are not terminated properly on the far end, or if any of the near-end contact pins are not properly terminated.
  SHORT : Illuminates when two or more conductor wires make contact with each other.
- **SHIELDED INDICATOR 4**
  Illuminates when a shielded (ground wire or foil) data cable is properly connected at both ends, either by ground wire or by foil.

NOTE:

- When "OPEN" and "MISWIRE" exist simultaneously, only can be judged as "OPEN".
- When "SHORT" and "MISWIRE" exist simultaneously, only can be judged as"SHORT"
- When "OPEN" and "SHORT" exist simultaneously for one wire, only can display one status.
  If "OPEN" first then "SHORT", judge as "OPEN"; If "SHORT" first then "OPEN", judge as "SHORT".
- If only one fault ("OPEN" or "SHORT") happens to one wire. For example, wire#1 is open, wire#4 and wire#5 are shorted, then both "OPEN" and "SHORT" can be detected and displayed.
  NOTE: A Cross-Over Wired cable, RJ45 or RJ12, will flash the MISWIRE and PASS LEDs simultaneously.

OPERATING INSTRUCTIONS

POWERING ON AND OFF / TESTING A CABLE

The LAN Explorer™ has a single button to start a test. When powered off, a short press of the Test button 5 causes the LAN Explorer™ to turn on, and a cable test to be executed. See INDICATORS section. The results are displayed for 30 seconds before powering off. If another short press occurs before the 30 second time-out, another test cycle will begin, followed by another 30 second time-out.

1. Connect one end of the cable under test to the RJ45 port (if testing a data cable) or RJ11/RJ12 port (if testing a voice cable) located at the top of the main tester body.

2. Connect the other end of the cable under test to the corresponding port on the testing remote.

3. Press the Test Button 5 to begin the test.

   The LAN Explorer™ will automatically power off if there is no test result change for 30 seconds.

   To manually power off theLAN Explorer™, press the Test Button 5 for 2 seconds.

MAINTENANCE

BATTERY REPLACEMENT

When the Low Battery indicator 6 blinks or tester does not turn on, the battery must be replaced.

1. Loosen screw 10 in battery cover 9 to access the battery compartment.

2. Remove and recycle exhausted battery.

3. Install new 9V alkaline or carbon-zinc battery. Note proper polarity.

4. Replace battery door and fasten securely with screw. Do not over-tighten.

CLEANING

Turn tester off and disconnect any cables. Wipe with a clean, dry lint-free cloth. Do not use abrasive cleaners or solvents.

STORAGE

Remove the battery when the unit is not in use for a prolonged period of time. Do not expose to high temperatures or humidity. After a period of storage in extreme conditions
exceeding the limits mentioned in the General Specifications section, allow the unit to return to normal operating conditions before using

WARRANTY
www.kleintools.com/warranty

DISPOSAL / RECYCLE
Do not place equipment and its accessories in the trash. Items must be properly disposed of in accordance with local regulations. Please see **www.epa.gov/recycle** for additional information.

CUSTOMER SERVICE

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Documents / Resources
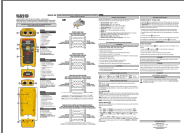
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