

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

	Warning or Caution		Wear approved eye protection		NOT insulated - Will NOT protect against electric shock		Read all instructions
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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

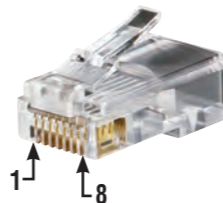
Illuminates when a shielded (ground wire or foil) data cable is properly connected at both ends, either by ground wire or by foil.

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.

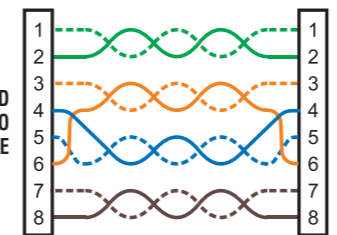
NOTE: A Cross-Over Wired cable, RJ45 or RJ12, will flash the MISWIRE and PASS LEDs simultaneously.

FIG. 1



**PROPERLY WIRED T568A
T568A CORRECTAMENTE CABLEADO
CÂBLE T568A BIEN RACCORDÉ**

NEAR END EXTREMO CERCANO EXTRÉMITÉ RAPPROCHÉE



FAR END EXTREMO LEJANO EXTRÉMITÉ OPPOSÉE

**PROPERLY WIRED T568B
T568B CORRECTAMENTE CABLEADO
CÂBLE T568B BIEN RACCORDÉ**

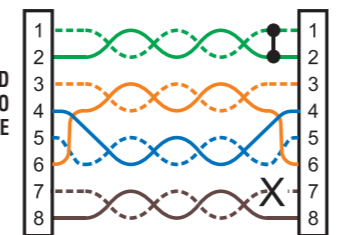
NEAR END EXTREMO CERCANO EXTRÉMITÉ RAPPROCHÉE



FAR END EXTREMO LEJANO EXTRÉMITÉ OPPOSÉE

**T568A CABLE WITH SHORT AND OPEN
CABLE T568A EN CORTOCIRCUITO Y CIRCUITO ABIERTO
CÂBLE T568A AVEC COURT-CIRCUIT ET CIRCUIT OUVERT**

NEAR END EXTREMO CERCANO EXTRÉMITÉ RAPPROCHÉE



FAR END EXTREMO LEJANO EXTRÉMITÉ OPPOSÉE

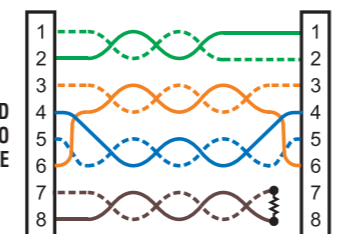
The 1-2 pair pins are shorted together and the 7-8 pair is open. The SHORT LED and OPEN LED will illuminate simultaneously.

Las clavijas del par 1-2 están en cortocircuito y el par 7-8 está abierto. El LED "SHORT" (CORTOCIRCUITO) y el LED "OPEN" (CIRCUITO ABIERTO) se encenderán simultáneamente.

La paire de contacts 1 et 2 est en court-circuit et la paire 7 et 8 est ouverte. Le voyant à DEL SHORT (court-circuit) et le voyant à DEL OPEN (circuit ouvert) s'illumineront simultanément.

**T568A CABLE WITH A MISWIRE AND UNRECOGNIZED CONTINUITY
CABLE T568A CON ERROR DE CABLEADO Y CONTINUIDAD DESCONOCIDA
CÂBLE T568A AVEC MAUVAIS RACCORDEMENT ET CONTINUITÉ NON RECONNUE**

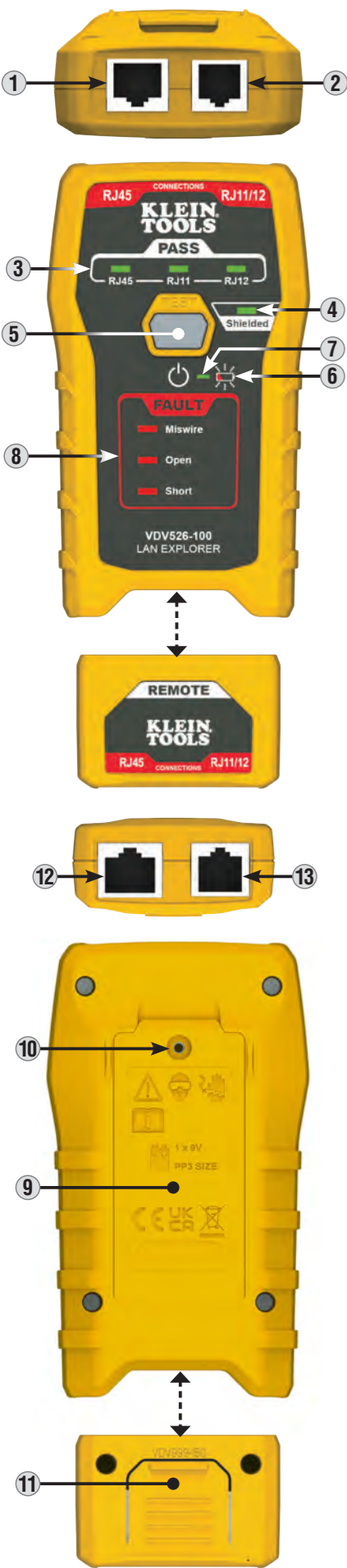
NEAR END EXTREMO CERCANO EXTRÉMITÉ RAPPROCHÉE



FAR END EXTREMO LEJANO EXTRÉMITÉ OPPOSÉE

Pins 1 and 2 on the Near end are connected to Pins 2 and 1 on the Far End. Las clavijas 1 y 2 en el extremo cercano están conectadas a las clavijas 2 y 1 en el extremo lejano. Les contacts 1 et 2 de l'extrémité rapprochée sont raccordés aux contacts 2 et 1 de l'extrémité opposée.

FEATURE DETAILS / DETALLES DE LAS CARACTERÍSTICAS / CARACTÉRISTIQUES DÉTAILLÉES



ENGLISH

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

NOTE: There are no user-serviceable parts inside tester.

ESPAÑOL

PROBADOR

1. Conector RJ45 blindado
2. Conector RJ11/RJ12 blindado
3. Indicadores "PASS" (PRUEBA APROBADA)
4. Indicador "Shielded" (Con blindaje)
5. Botón "Test" (Probar)
6. Indicador de batería baja
7. Indicador de encendido
8. Indicadores "FAULT" (FALLA)
9. Cubierta del compartimento de la batería
10. Tornillo

REMOTO

11. Bloqueo de liberación
12. Conector RJ45 blindado
13. Conector RJ11/RJ12 blindado

NOTA: El probador no contiene en su interior piezas que el usuario pueda reparar.

FRANÇAIS

TESTEUR

1. Prise blindée RJ45
2. Prise blindée RJ11/RJ12
3. Voyants PASS (test réussi)
4. Voyant SHIELDED (blindé)
5. Bouton TEST
6. Indicateur de pile faible
7. Voyant de mise sous tension
8. Voyants FAULT (anomalie)
9. Couverture du compartiment à pile
10. Vis

CAPTEUR À DISTANCE

11. Loquet de blocage
12. Prise blindée RJ45
13. Prise blindée RJ11/RJ12

REMARQUE: Ce testeur ne contient aucune pièce réparable par l'utilisateur.

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 the LAN 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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