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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; CAT-7, CAT-6/6A, CAT-5e, CAT-3
- **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.

SYMBOLS ON TESTER

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

WIRING CONDITION INDICATORS

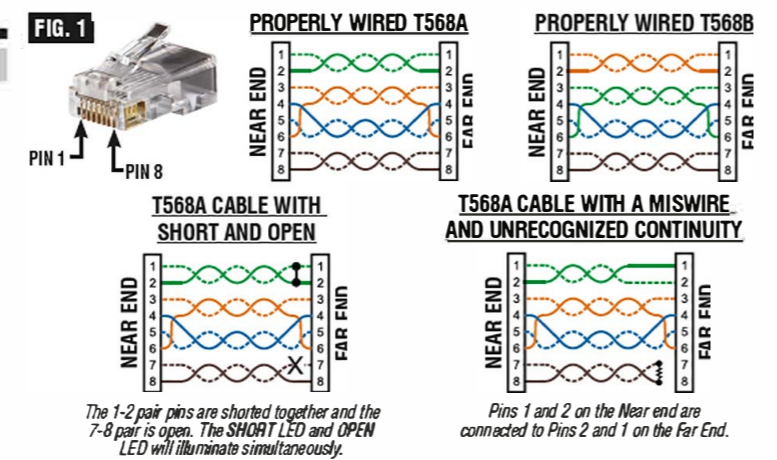*NOTE: See FIG. 1 below for examples of correctly and incorrectly wired connectors.*

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 (i.e., Pin 1 on near end is wired to Pin 1 on far end; Pin 2 on near end is wired to Pin 2 on far end, etc.).

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 and 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 will flash the MISWIRE and PASS LEDs simultaneously. On an RJ12-terminated wire with pin 1 and 6 open faults, "RJ11 PASS" will be the response.

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WIRING CONDITION INDICATORS

FIG. 1

PIN 1 — PIN 8

PROPERLY WIRED T568A

PROPERLY WIRED T568B

T568A CABLE WITH SHORT AND OPEN

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

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

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

REMOTE
10. Release Latch
11. RJ45 Shielded Jack
12. RJ11/RJ12 Shielded Jack

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.

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 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.

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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** or **www.erecycle.org** for additional information.

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