

LAN CABLE TESTER

CZ20350

User's Guide



Congratulations on the purchase of your new LAN cable tester. This tester consists of a main unit and a remote unit. The tester will automatically test for: **Continuity, Opens, Shorts, Crosses, and Splits.** Auto scanning enables fast cable testing.

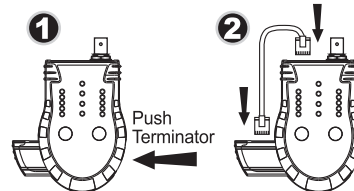
FEATURES:

- It's a multi-functions cable tester for RJ45 LAN cable and BNC coaxial cable.
- Small and easy to carry.
- Quick - test results in one second - "PASS" or "FAIL".
- Check each pair individually
- Faults displayed by LED indicators.
- Easy to read cable status verifying: **Continuity, Opens, Shorts, Reverses and Splits.**
- **TONE** mode is for cable tracing and troubleshooting.
- Auto-off power shut down to conserve battery life.
- Low battery indication and test.
- Belt clip and patch cables provided.
- 9V battery included.

OPERATION:

- Connect the main unit and the remote unit to each end of the cable to be tested. Press the ON/TEST button on the main unit to turn it unit on. Press the ON/TEST button again to perform a test. To test pairs individually, press the FAULT CHECK/TONE button to cycle through the pairs. To initiate tone sending, press and hold the FAULT CHECK/TONE button for approximately 5 seconds.

1. Push the remote unit out from the main unit.
2. Connect one end of cable to be tested to the main unit and the other to the terminator unit.
3. Press "ON/TEST" twice to initiate test.
4. Check status "PASS" or "FAIL". Test is complete.

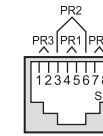


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Tone mode can be accessed by pressing the FAULT CHECK/TONE button for approximately 5 seconds. The tone can be applied to all pairs or to an individual pair by pressing the FAULT CHECK/TONE button to cycle through the options.

Indicator light reference ● ON ○ OFF ☀ FLASHING.

EIA/TIA-568A

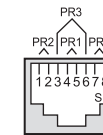


4 PAIR TEST

PASS = YELLOW x 4 ● (ON)
 FAIL = RED ● (ON)
 Yellow ○ (OFF) or
 ☀ (FLASHING)

● 1 & 2	○ OPEN
● 3 & 6	○ SHORT
● 4 & 5 (COAX)	○ CROSS
● 7 & 8	○ SPLIT
○ SHIELD	○ BATTERY

EIA/TIA-568B (AT&T-258A)

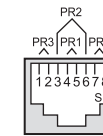


4 PAIR TEST

PASS = YELLOW x 4 ● (ON)
 FAIL = RED ● (ON)
 Yellow ○ (OFF) or
 ☀ (FLASHING)

● 1 & 2	○ OPEN
● 3 & 6	○ SHORT
● 4 & 5 (COAX)	○ CROSS
● 7 & 8	○ SPLIT
○ SHIELD	○ BATTERY

EIA/TIA-568A

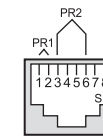


4 PAIR + SHIELD TEST

PASS = YELLOW x 5 ● (ON)
 FAIL = RED ● (ON)
 Yellow ○ (OFF) or
 ☀ (FLASHING)

● 1 & 2	○ OPEN
● 3 & 6	○ SHORT
● 4 & 5 (COAX)	○ CROSS
● 7 & 8	○ SPLIT
○ SHIELD	○ BATTERY

10BASE-T



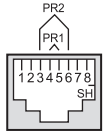
2 PAIR TEST (1-2 AND 3-6)

PASS = YELLOW x 2 ● (ON)
 FAIL = RED ● (ON)
 Yellow ○ (OFF) or
 ☀ (FLASHING)

● 1 & 2	○ OPEN
● 3 & 6	○ SHORT
○ 4 & 5 (COAX)	○ CROSS
○ 7 & 8	○ SPLIT
○ SHIELD	○ BATTERY

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TOKEN RING



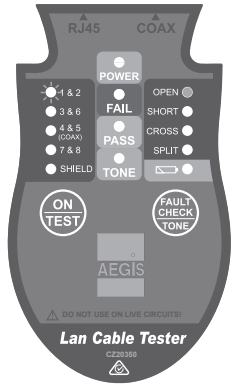
2 PAIR TEST (3-6 AND 4-5)
 PASS = YELLOW x 2 ● (ON)
 FAIL = RED ● (ON)
 Yellow ○ (OFF) or
 (FLASHING)

- | | |
|----------------|------------------|
| ○ 1 & 2 | ○ OPEN |
| ● 3 & 6 | ○ SHORT |
| ● 4 & 5 (COAX) | ○ CROSS |
| ○ 7 & 8 | ○ SPLIT |
| ○ SHIELD | ○ [Battery Icon] |

Fail Indication Examples

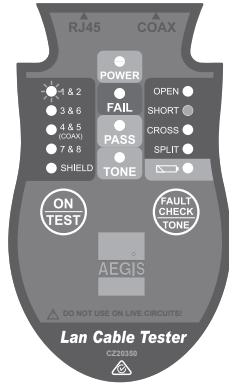
The **FAIL** indicator will be displayed and the numerical wire indicators will blink.

• **OPENED: Pair 1 & 2**



↑ If the wire pair 1 & 2 does not go to the end, the indicator for the open LED will illuminate. And the left side indicator for the 1 & 2 LED will blink.

• **SHORTED: Pair 1 & 2**



↑ If the wire pair 1 & 2 is shorted, the lights for the short LED will illuminate. And the left side indicator for the 1 & 2 LED will blink.

• **CROSSED: Pair 4 & 5, 7 & 8**



• **SPLIT: Pair 1 & 2, 3 & 6**

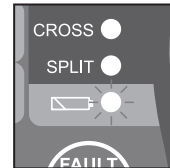


↑ If the wire pair 4 & 5, 7 & 8 are either swapped; transposed, crossed with another pair, or has one wire of the pair swapped with a wire of another pair. the indicator for the cross LED will illuminate. And the left side indicator for the 4 & 5, 7 & 8 LED will blink.

↑ If a cable is wired correctly, pin-to-pin, but there is split pair, indicator light will display split pair, for example, a wire from the 1 & 2 pair could be twisted with a wire from the 3 & 6 pair.

• **Low battery indication:**

The [Battery Icon] light flashes indication low battery and needs to be replaced.



• **Technical data:**

- Display: LED, beep.
- Operating voltage: 9 V battery x 1pc.
- Weight: approximately 112 g.
- Dimensions (L x W x H): 70 x 36 x 104 mm.



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