



UNI-T UT681C Cable Tester (Network Model)

RJ45 / RJ11 / BNC | Open · Short · Crossed-Pair Test | Shielded & Unshielded Cable | Single-Button Operation



1. GENERAL DESCRIPTION

The UNI-T UT681C is a handheld cable tester for checking Ethernet (RJ45), telephone (RJ11) and coaxial (BNC, via the supplied RJ45–BNC adapter) cables. It consists of a transmitter and a receiver: connect them to the two ends of a cable and the LED indicators show at once whether each conductor is continuous, open, shorted or crossed. With single-button operation and a 9 V battery supply, it is a quick, compact tool for installers, technicians and service engineers checking network and telephone cabling in the field, the office or the server room.

2. KEY FEATURES

- Tests RJ45 Ethernet cable, RJ11 telephone lines and BNC coax (with RJ45–BNC adapter)
- Automatically detects open circuit, short circuit and crossed (mis-wired) pairs
- Shielded / unshielded Ethernet cable test
- Fast and slow test modes with LED1–LED8 and LED_G indication for each conductor and the shield
- Single-button operation — no configuration required
- Manual power-off and automatic shutdown after 10 minutes of inactivity; low-battery indication
- Separate transmitter and receiver, lightweight and compact (87 g / 51 g)

3. APPLICATIONS

- Checking patch cords and horizontal cabling after termination (T568A / T568B wiring)
- Fault finding on network, telephone and coaxial cable runs: breaks, shorts and swapped conductors
- Quick verification of RJ45 and RJ11 plug crimping before a cord is used on live equipment

4. SAFETY & COMPLIANCE

- CE — EN 61326-1:2013 and EN 61326-2-2:2013 (EMC)
- Use only on cables disconnected from live equipment and from power

5. TECHNICAL SPECIFICATIONS

Manufacturer / Model	UNI-T UT681C (network model)
Test Connectors	RJ45, RJ11, BNC (BNC via RJ45–BNC adapter)



Test Modes	Fast mode and slow mode; LED1–LED8 and LED_G indication
Faults Detected	Open circuit, short circuit, crossed conductors
Shielded / Unshielded Test	Yes (Ethernet cable)
Operation	Single button
Power Supply	9 V battery
Low Battery Detection	Below 7.2 V
Auto Power-Off	After 10 minutes without operation
Colour	Red and grey

6. DIMENSIONS, WEIGHT & ENVIRONMENT

Transmitter Size	102 × 62 × 28 mm
Receiver Size	102 × 37 × 28 mm
Transmitter Weight	87 g
Receiver Weight	51 g
Operating Temperature	0 – 40 °C
Operating Humidity	20 – 80 % RH
Storage Temperature	-10 – 50 °C
Storage Humidity	10 – 90 % RH
Altitude	≤ 2000 m

7. PACKAGE CONTENTS

Item	Qty	Notes
UT681C transmitter	1	Main unit with test button
UT681C receiver	1	Remote end unit
RJ45–BNC adapter	1	For coaxial cable testing
9 V battery	[1]	[Confirm whether included — some listings state not included]
User manual	1	

8. OPERATING INSTRUCTIONS & CARE

- Fit a 9 V battery in the transmitter, and make sure both units are switched off before connecting the cable.
- Plug the transmitter into one end of the cable and the receiver into the other end (use short adapter cords for wall outlets and patch panels), then press the button to start the test.
- Read the LED sequence on the transmitter and receiver: matching sequences show correct wiring; a missing LED shows an open conductor, and out-of-order or double-lit LEDs show crossed or shorted conductors.
- Switch between fast and slow mode to follow the sequence more easily; replace the battery when the low-battery indicator comes on.
- Never connect to live circuits; keep the tester within the specified temperature and humidity ranges.