

CA 7028

Wire Mapper™ Pro LAN Tester



Test your cables and wiring Identify and locate faults

- Detection, location and identification of faults up to 150 metres away
- Designed for use on UTP, STP, FTP and SSTP cables equipped with RJ45 connectors and wired in compliance with the specifications of the TIA568A/B, USOC or ISDN standards
- Backlit graphical LCD screen
- Compact instrument: simpler to transport and to use

Measure up



CA 7028

LAN TESTER

The **CA 7028 Wire Mapper™** is professional wiring tester capable of identifying faults on data and voice networks, as well as on the copper multipair cables installed. Equipped with a comprehensive range of functions, it is designed for all communication engineers and technicians and for the teams responsible for detecting faults in the communications field.

The **CA 7028 Wire Mapper™** is also a useful tool for IT managers and administrators when they need to locate faults or upgrade an existing network installation.

WIRING SUBJECT TO MULTIPLE INTERNATIONAL STANDARDS



The **CA 7028 Wire Mapper™** measures the length of the cable before or after installation and identifies all the common faults on the horizontal cabling installed in compliance with the TIA568 A/B, USOC and ISDN standards : pairs which are cut, short-circuited, crossed, separated or reversed, as well as shielding / screen continuity.

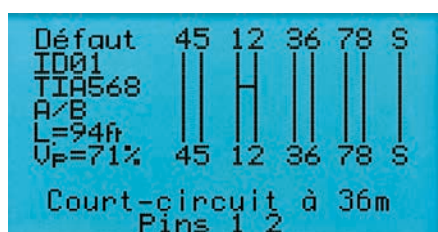


Here, the **CA 7028 Wire Mapper™** is being used on a distribution switchboard to locate the cable serving an office tens of metres away.

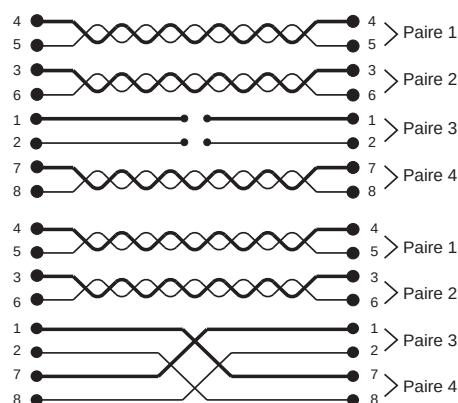
CUTTING-EDGE TECHNOLOGY

The **CA 7028 Wire Mapper™** includes a unique function called EDT™ (End Discrimination Technology).

This function considerably reduces installation commissioning costs because the wiring diagram shown on the screen clearly indicates the type and position of the fault detected.



The instrument identifies all the cable faults and their lengths clearly and precisely. "ID01" specifies that the cable terminated by identifier no. 1 has a short-circuit on pair (pin) 1-2



Examples of diagrams identifying cut and cross pairs in cables

TESTING AN ENTIRE NETWORK WITH A SINGLE INSTRUMENT

The remote identifier functions of the **CA 7028 Wire Mapper™** are active and indicate to the remote operator when the test has ended and whether it has succeeded or failed. The instrument is delivered with an identifier bearing the number 1.

If additional identifiers are used (marked 2 to 9), the **CA 7028 Wire Mapper™** can test and identify up to 9 links from the distribution switchboard.

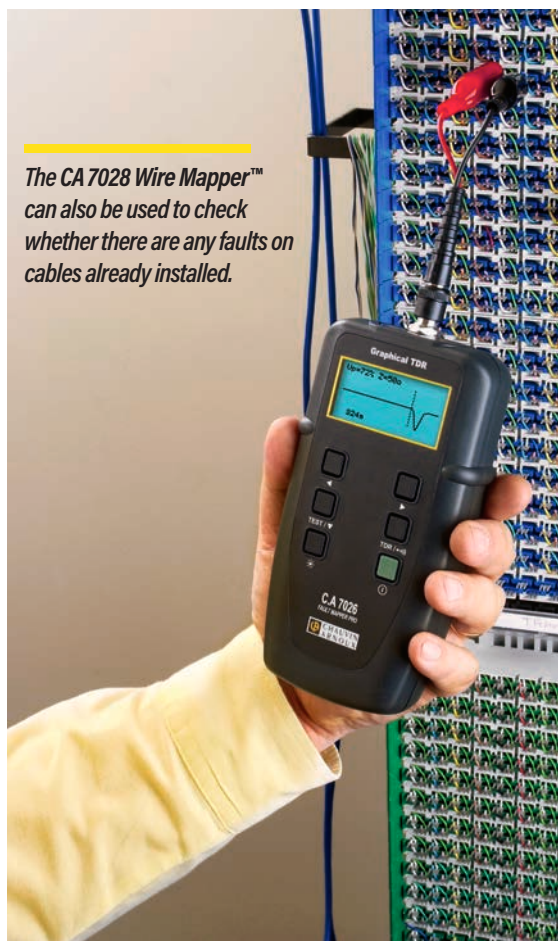
SAFETY FIRST

Before checking a wiring network which is already installed, the **CA 7028 Wire Mapper™** will alert the operator if telephone services are active on the cable tested (10 Mb/s, 100 Mb/s, Token Ring, etc.).

☞ If additional identifiers are used (marked 2 to 9), the **CA 7028 Wire Mapper™** can test and identify up to 9 links from the distribution switchboard.



The CA 7028 Wire Mapper™ can also be used to check whether there are any faults on cables already installed.



A RUGGED, PRACTICAL INSTRUMENT

To meet the strictest requirements for outdoor use, the instrument is integrated in a rugged, reinforced casing made of ABS flame-retardant plastic.

With its IP54 waterproofing and dustproofing, it is designed and manufactured to comply with the international quality standards. In addition, its compact size makes it practical to carry and use.

BATTERY CHARGE INDICATION

When powered up, the **CA 7028 Wire Mapper™** automatically displays the remaining battery capacity.

This indication enables the operator to make sure that the instrument's battery has sufficient capacity before starting long-duration tests. The instrument also switches automatically to standby after 3 minutes' without any activity, once again to save battery capacity.

CA 7028 LAN wiring tester

MEASUREMENTS

Range	150 metres
Accuracy	± 5%
Cable types	UTP, STP, FTP & SSTP
Faults indicated	Short-circuited pair, wire in open circuit, short-circuit between pairs, crossed / split pairs, inverted pairs, screening continuity
Location of faults	Near extremity, remote extremity or distance if the fault is between the two
Wiring modes	TIA 568A/B, USOC & ISDN
Operating indications	Telephone, 10BaseT, 100Mbit+, Token Ring
Voltage warning	Warning of a voltage is present on the telecommunication network
Tone generator	Oscillating tone generator: 810 Hz - 1,110 Hz

GENERAL

Main-unit display	128 x 64 pixel liquid crystal display with backlighting
Display of faults	Display of all faults and configuration information in text and graphic form
Remote display	Green/red LED
Languages	English (US and UK), German, French, Spanish, Italian
Power supply	4 x 1.5 V AA alkaline batteries
Battery life	Standby mode > 4000 hours, Continuous test > 7.5 hours
Automatic power-off	After 3 minutes
Load level indicator	From 0 to 100% as a bar graph
Storage temperature	20 to 70°C (-4 to 158°F) 5 to 95% relative humidity without condensation
Operating temperature	0 to 40°C (32 to 112°F) 5 to 95% relative humidity without condensation
Dimensions	Main unit: 165 x 90 x 37 mm (6.5 x 3.5 x 1.5") Remote unit: 65 x 52 x 25 mm (2.5 x 2.0 x 1.0")
Weight	Main unit: 350 g (12 oz) Remote unit: 40 g (1.5 oz)
Standards	EN 61010-1, EN 61326-1, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-6
State at delivery	Product delivered with 2 x RJ 45 cables, 1 identifier, 1 soft case, battery and user manuals in 5 languages (FR, GB, DE, ES, IT)

ORDER REFERENCES

CA 7028 Wire Mapper™ Pro Testeur LAN
P01129501



Sacchoche de transport
P01298532

ACCESSOIRES

Lot d'identificateurs n° 2 à 5
pour CA 7028..... P01101994



Lot d'identificateurs n° 6 à 9
pour CA 7028..... P01101995



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