



DATA

DATA TEST SOLUTIONS



[idealind.com](http://idealind.com)



## INTRODUCTION TO IDEAL DATACOM TESTERS

The IDEAL Datacom range of testers offer basic installation and troubleshooting solutions for integrators and electricians working with twisted pair and coax cables.

Testing a newly constructed twisted pair cable is not only best practice, but helps to ensure that the cable will connect properly to the system and eliminate additional troubleshooting after installation if the wiremap were to fail.

Modular plugs can be a challenge to terminate correctly 100% of the time. Wires get crossed inside the plug, trimmed too short, nicked creating a short, and sometimes, the plug is just put on to the cable rotated 180 degrees.

Even if the wires are in the correct order, and visually the termination looks good, there is a chance that the gauge of the copper conductor and the IDC pin in the plug did not make solid contact.

Use of a wiremapper not only eliminates the errors that are somewhat easy to see, but identifies others that could not be seen without the use of a tester.

Even professionals who regularly make modular plug and jack terminations will get a wire out of order from time to time.

Testing before installation allows verification that the cable has been terminated correctly. If this is not the case, it is generally faster and easier to re-terminate prior to installation. Choosing not to test can lead to testing dozens of cables in order to determine which one is causing the bad connection, whether it is a cable or a connector.

## VDV Multimedia Cable Tester

All-in-one basic Voice-Data-Video wiremap tester for verifying correct wiring and tone testing of low voltage and data communications cables.

Tone testing a cable by pin or pair can help locate a break in the middle of the cable run.

The split pair test helps identify when a cable is wired the same at both ends, but the wires are not in a standard order.

By having pairs mismatched (split) the performance of the cable can be negatively impacted as RF performance is compromised with the pairs being separated. This can cause the link to run slower or not at optimum speeds.

- Voice/Data/Video LCD based wiremapper verifies cable continuity
- Identifies errors by pin: shorts, opens, miswires, reversals, and split pairs
- For twisted pair, coax, and phone type cables
- Designed for CAT3/5/5e/6/6a cables. RG59/6/6 Quad
- RJ-45; RJ-11/12; and Female F port interfaces
- Tone generator with 4 selectable tones
- Tone by pin, pair, or entire cable
- Main remote included, stores in base of unit



Description	Cat. No.
VDV Multimedia Cable Tester	<b>33-856</b>

## Test-Tone-Trace Kit

The TTT kit combines two of our most popular testers - our VDV Multimedia tester and the Amplifier Probe plus several accessories in one kit designed to handle all of the basic testing and tone applications used by low voltage, video, and data communications installers.

- Voice/Data/Video wiremapper verifies cable continuity
- Identifies: shorts, opens, miswires, reversals, and split pairs
- For twisted pair, coax, and phone type cables
- Designed for CAT3/5/5e/6/6a cables. RG59/6/ 6 Quad
- RJ-45; RJ-11/12; and Female F port interfaces
- Tone Generator with 4 selectable tones
- Amplifier Probe to trace and locate cable under tone



Description	Cat. No.
Test Tone Trace Kit including carrying case, RJ-45, RJ-11 and Coax F Patch cables, crocodile clip assembly and F to BNC, F to RCA and F-81 adapters	<b>33-866</b>

## Tone & Probe Kit

Locate, trace, and identify copper cables with the Amplifier Probe and Tone generator kit.

Send a tone on any de-energised copper cables including electrical cables, speaker wires, alarm cables, coax and data cables.

By generating a tone at one end of a cable, the other end can be identified within or among several other cables.

This prevents the user from having to unplug and test multiple cables individually, and can minimise disruption to other services in the building or network.

Multiple tones are useful when testing multiple cables with different tones, or if more than 1 person is working to trace cables on a jobsite.

- Tone and probe units in one single kit
- RJ-11/12 and F port interfaces
- 3 tone settings and two tone amplitude - normal and half
- Adjustable volume on the amplifier probe
- Crocodile clips for testing other de-energised cables
- Continuity testing and talk set power settings
- Carrying case included
- Both testers use 9V batteries – included



Description	Cat. No.
Tone & Probe Kit including carrying case, RJ-11 patch cable and crocodile clip assembly	<b>33-864</b>

## LinkMaster™ RJ-45 Cable Tester

Basic wiremapper for identifying wiring and continuity errors in twisted pair cabling.

Coloured LED lights identify pass/fail conditions of each pair of wires in RJ-45 8 conductor cables.

- LED based wiremapper verifies cable continuity on RJ-45 cables
- Identifies errors by pair: shorts, opens, miswires, reversals, and split pairs
- Debug feature cycles through errors pair by pair
- For 8 conductor 4-pair, twisted pair cables
- Easy 1 button operation
- Designed for CAT3/5/5e/6/6a cables.
- RJ-45 port interfaces
- Identifies shield continuity
- Includes 4 x 1.5v LR44 batteries in main unit



### Description

LinkMaster™ RJ-45 Cable Tester

### Cat. No.

**62-200**

## Amplifier Probe

The Amplifier Probe is used to audibly amplify analogue signals generated by stand alone or built in IDEAL tone generators. Trace, locate and identify wires.

- Compatible with 62-160 Tone Generator, 33-856 VDV and all IDEAL analogue tone units
- Adjustable volume
- Press and hold button to activate probe and begin tracing
- Replacement tips available – LA-4145
- Low battery indicator
- Uses one 9V battery –included



Description	Cat. No.
Amplifier Probe	62-164

## Tone Generator

The Tone Generator is used to send an analogue tone signal over copper cables to aid in identifying the location and identification of the cable

- Sends analogue tone signals on de-energised copper cables
- Tone can be picked up by IDEAL and other analogue amplifier probes
- Compatible with 62-164 Amplifier Probe
- 3 tone settings: Dual: /1116 and 919 Hz plus Single: 919 Hz
- 2 ports – RJ-11 and F Female to generate tone on coax or copper cables. RJ-11 patch cable included.
- Crocodile clips (included) to tone individual or paired copper cables such as speaker or alarm cable
- Continuity test setting with included crocodile clips
- Talk battery setting for providing power to telephone lines when testing with butt-sets
- Indicates reversed polarity lines
- LED indicator to show selected tone setting and status
- Low battery indicator
- Uses one 9V battery – included



Description	Cat. No.
Tone Generator	62-160