



More vision into residential cabling.

Fluke Networks offers the most comprehensive set of installation and cable test solutions on the market to help you increase the performance of voice-data-video networks and protect your business at the same time.

From low-cost installation tools to easy-to-use testers to document your work, all our tools are designed with the residential installer in mind.

They are rugged, reliable and easy to use – all things you expect from Fluke Networks. Best of all, our residential network solutions allow you to get the job done faster, eliminate callbacks and win more bids. That's not just good business, that's what Network SuperVision is all about.

Residential Cabling Solutions
Network SuperVision Solutions™ for voice-data-video networks

Whether you need to cut, strip, terminate or test, Fluke Networks has the solutions you need to meet your voice-data-video cabling installation needs.

- **Terminate jacks** with our rugged and easy-to-use single-pair and multi-pair punchdown tools that save you time and increase accuracy with every termination.
- **Trace and locate** both terminated and unterminated cable and wire quickly and easily with the industry's best analog "SmartTone" and digital "IntelliTone" toning technologies.
- **Verify cable** continuity, wiring configuration and the location of cable faults (e.g. opens, shorts) with award-winning testers that save you time and money while delivering a quality installation.
- **Qualify cables** for voice, VoIP, 10/100/1000 Ethernet, CATV with our affordable, intuitive, qualification tester that documents cabling installations allowing you to eliminate callbacks and disputes.
- **Troubleshoot cables** with a variety of innovative built-in technologies like TDR and multi-map, which provide greater vision to locate faults and speed up problem resolution.
- **Test security, audio and CATV/video cabling** quickly and accurately by using one simple tool.
- **Generate professional reports** that leave a lasting impression with your customers, and help protect your business by documenting cabling system integrity.



JackRapid™ Punchdown Tool terminates jacks eight times faster than traditional impact tools.

All the residential tools and testers you need from one trusted provider.

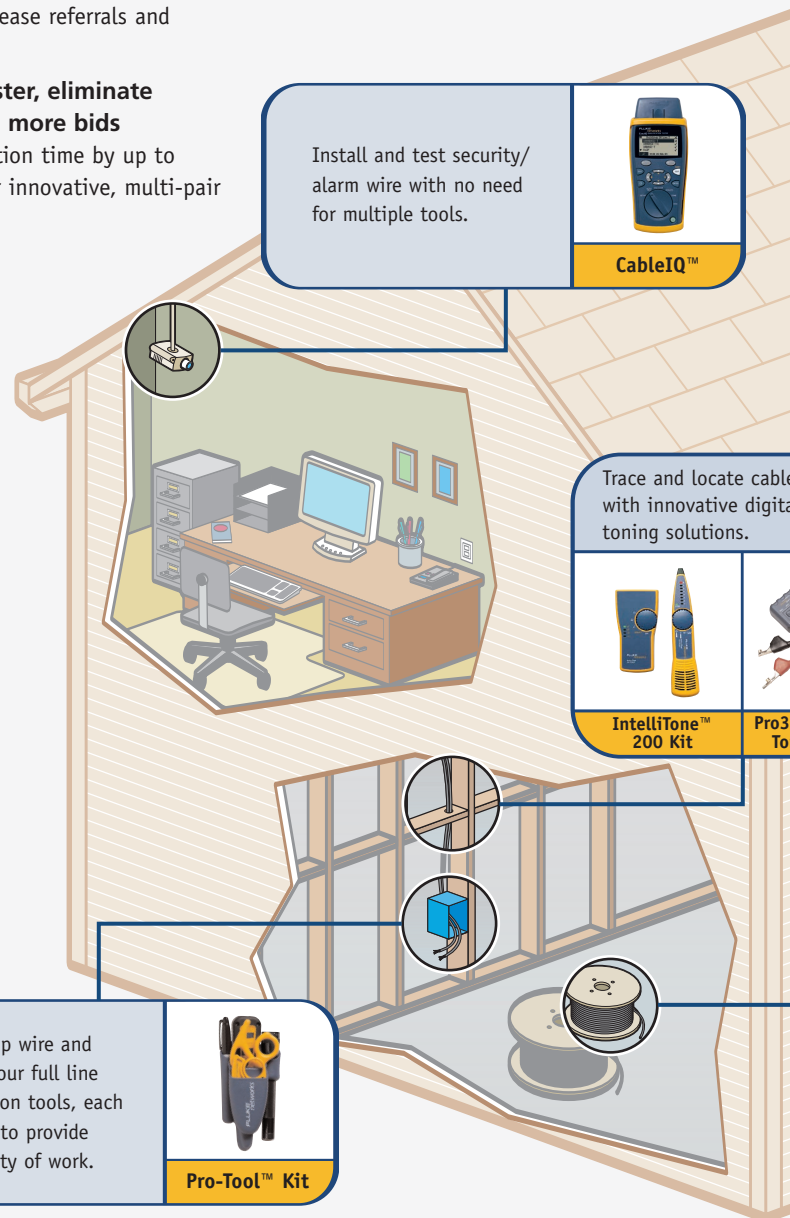
Improve the quality and productivity of each installation

Engineered by the brand you know and trust, all of our residential solutions are designed with the installer in mind. They're built field-tough, easy-to-use and deliver the speed and accuracy you need to deliver a quality installation – every time. And with all this, you gain credibility with your customers, increase referrals and win more bids.

Complete jobs faster, eliminate callbacks and win more bids

Reduce jack installation time by up to eight times with our innovative, multi-pair

JackRapid™ Punchdown Tool. Cut cable troubleshooting time by 50% with our award-winning MicroScanner™ Pro, and reduce installation costs and bolster reputation by documenting test results with our new CableIQ™ Residential Qualifier. Whatever solutions you choose, you can rest assured your investment is safe with Fluke Networks.



Qualify and ID-tag coax video outlets all with one tool.



CableIQ™

Verify and troubleshoot speaker installations with improved accuracy.



CableIQ™

Test, qualify, and document the entire cabling system from one point in the home.



CableIQ™

es fast
al or analog



TS9000™ Analog
Tone & Probe

Terminate and seat jacks at once with one squeeze of the handle.



JackRapid™

Verify jack wiremaps to industry specifications and troubleshoot faults.



CableIQ™
MicroScanner™ Pro

Manage cabling inventory and troubleshoot breaks and shorts with TDR-based testers.



TS900 Cable Fault Finder
MicroScanner™ Pro

Unparalleled vision into residential cabling performance



From the **worldwide leader** in network test.

Discover mode detects and locates Ethernet devices, coax devices and splitters (speed/duplex/pairing).

Cable qualification. Find out in four seconds what speeds (10/100/100) your cable can support.

Intelligent wiremap graphically shows distance to specific conductor fault.

Four AA batteries. Long lasting battery life for several weeks of testing.

Graphical display. Backlit for viewing in all environments.

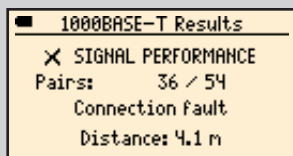
Store 250 results for later reviewing.

Digital or analog toning. Compatible with IntelliTone Probe for finding cables with superior precision.

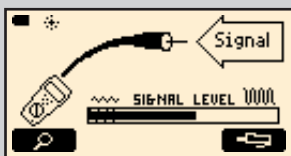
Expert cabling diagnostics gives you detailed information on performance faults.

Rotary knob makes learning easy and operation simple.

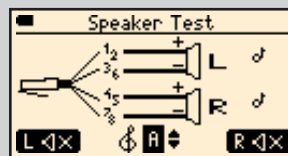
USB port for fast transfer of data to PC or to refresh software.



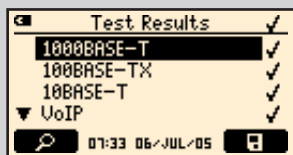
Advanced troubleshooting technology detects cabling performance faults, clearly displays fault type and distance



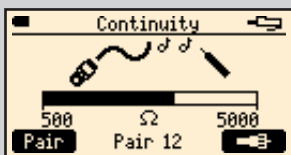
Qualify coax cabling for video/CATV applications; test length, continuity, faults; detect video signal



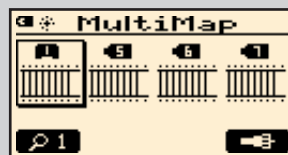
Emits up to 14 different tones to be amplified by connected speakers; allows user to toggle between left and right, and change phasing



Four-second Autotest determines that cabling systems will support voice, VoIP, 10/100/1000 Ethernet, and CATV



Graphical display and audible tone determines continuity and resistance on security/alarm wire



Perform a wiremap on an entire bridged telephone wire system; see outlet ID and jack wiremap faults all at the same time

Eliminate callbacks and disputes with CableIQ™

Qualification testing ensures that cabling systems will perform reliably

As voice, data, and video technologies continue to converge onto one cabling infrastructure, residential builders and homeowners increasingly need assurance that structured wiring systems will support today's applications. CableIQ's qualification test confirms what speeds and technologies any residential cabling systems will support. In just four seconds, it allows installers to see whether existing or newly-installed cabling will support Voice, VoIP, 10/100/1000 Ethernet, or CATV.

Qualification testing can virtually eliminate callbacks and disputes

Callbacks are expensive. Without test documentation, installers are unfairly burdened with the responsibility for all callbacks and claims, whether cabling-related or otherwise, and even for problems caused by other subcontractors. Before CableIQ, residential installers had no economical way to document residential cabling installations. Qualification testing with CableIQ gives installers an economical and objective way to prove the quality of cabling systems upon installation, virtually eliminating callbacks and workmanship disputes.

Guarantee performance with CableIQ™ Test Reports

Mitchell
HOME INSTALLATION

Site: Smith Residence
Address: 555 Main Street
Springfield, USA

Written notes:

CABLEIQ AUTOTEST RESULTS
Fluke Networks Qualification
Tested by: Mitchell Installation
John Sanders

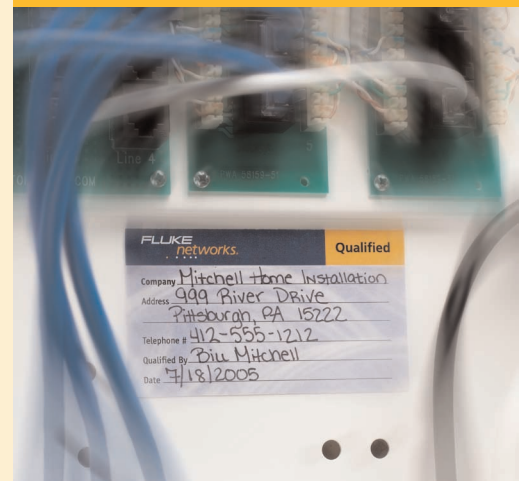
Cable ID	Qualified	Time	Length	Version	S/N
Cable ID: Living Room: 1	✓	12:42:34 AM	113 ft	V0.05.04	00000005
Cable ID: Living Room: 2	✓	12:42:17 AM	61.6 ft	V0.05.04	00000005
Cable ID: Den: 3	✓	3:20:31 AM	101 ft	V0.05.06	8734030
Cable ID: Master Bedroom: 4	✓	3:19:01 AM	52.4 ft	V0.05.06	8734030
Cable ID: Bedroom A: 5	✓	3:19:01 AM	124 ft	V0.05.06	8734030
Cable ID: Bedroom B: 6	✓	6:59:08 AM	105.1 ft	V0.05.04	00000005

FLUKE networks



Residential qualification testing and the TIA-570B standard

Residential cabling networks are unique. The need to support voice, data, audio/video, and security applications means that a wider range of cabling media is required. At the same time, continuing adoption and convergence of new technologies in the home is giving rise to increased requirements for speed and reliability. Installing and testing of residential cabling systems thus requires unique methods and tools. The new TIA-570B standard for residential qualification testing addresses these unique needs. This standard was created to provide a guideline for installing and testing all types of residential cabling media, and works to improve the quality of installations, and protect the reputations of installers.



See what customers are saying about Fluke Networks' Residential Solutions

"The JackRapid saves me thousands of dollars, this is a great product. JackRapid addresses my most important concerns: quality, time and money!"

**Residential Installation
Business Owner**

"When we test and document the cable, we know that any return for service becomes a billable callback. With each non-billable callback that we can avoid, we save an average of \$200 (USD), savings that go straight to our bottom line."

Installation Manager

"Fluke Networks has produced an affordable testing product for the residential industry that is long overdue! CableIQ meets the requirements of the 570-B Residential Standard for qualification of voice and data cabling. Installers can use CableIQ to assure builders that they are installing quality networks. Fluke Networks is to be commended for providing the industry the kind of tools that are both necessary and affordable."

**Business Development Manager,
Residential**



Ordering Information

CIQ-KRQ	CableIQ Residential Qualifier Kit Includes CableIQ with remote adapter, F/BNC/RCA coax, bare wire, and speaker wire adapters, 50-pack "Qualified" labels
CIQ-100	CableIQ Qualification Tester Includes CableIQ with remote adapter
MT-8200-32A	MicroScanner™ Pro Includes MicroScanner Pro, Wiremap Adapter (Office ID 4), Coax Adapter (CATV type, F-connector), 9-volt alkaline battery and user guide
26500090	TS®90 Cable Fault Finder Includes BNC to alligator clip
MT-8200-60A	IntelliTone™ 200 Digital Toner and Probe Kit Includes IntelliTone 200 Toner and 200 Probe, coax F connector adapter, (2) RJ11 and (2) RJ 45 patch cables, test leads with alligator clips, lanyards, owners CD and quick start guide, (2) 9 volt batteries
26000900	Pro3000™ Analog Tone and Probe Kit Includes analog tone generator, probe, pouch and (2) 9 volt batteries
10059600	JackRapid™ Punchdown Tool with Leviton Blade (for Leviton 41106, 41108 Cat 3/5, 5G108 Cat5e) Additional blade heads available, go to www.flukenetworks.com/jackrapid for ordering info.
11293000	IS60 Pro-Tool™ Kit Includes all the essential tools to cut, strip, clean and connect network phone and data lines to blocks and jacks. D914S™ Punchdown tool, D-Snips™, cable stripper, Maglite® and Sharpie®
25501009	TS®25D Test Set with LCD TS®25D Test Set with LCD, caller ID, call-waiting caller ID, analog tone generator, data lockout, lockout override

For more information on models, options, accessories and product specifications, go to www.flukenetworks.com/resolutions

See the power of CableIQ in action

Experience the unique capabilities of CableIQ by taking a virtual test drive at www.flukenetworks.com/resolutions. Or call us at **1-800-508-0490** (U.S. and Canada).

Visit www.flukenetworks.com/contact to locate Fluke Networks' sales organizations worldwide.

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5228 US Hwy 421 N
Wilmington, NC 28401
sales@all-spec.com
www.all-spec.com
PH: 800-537-0351
FX: 800-379-9903

NETWORK SUPERVISION

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Fluke Networks operates in more than 50 countries worldwide. To find your local office contact details, go to www.flukenetworks.com/contact.

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Printed in U.S.A. 11/2005 2427562 B-ENG-N Rev A

CableIQ Qualification Tester

General Specifications

Test connectors	Shielded 8-pin modular jack accepts 8-pin modular (RJ45) and 4-pin modular (RJ11) plugs. F-connector for coaxial cable
Power	Battery type: 4 AA (NEDA 15A, IEC LR6) alkaline batteries Battery life: 20 hours of typical use, without backlight Other compatible battery types: 4 AA photo lithium, NIMH, NICAD
Serial interface	USB mini-B 5-pin connector
Dimensions and weight	7 in x 3.5 in x 1.75in 17.8 cm x 8.9 cm x 4.5 cm 1.2 lb (0.55 kg)
Display	2.5 in (5.6 cm) 128 dots wide by 128 dots high monochrome LCD with backlight
Service period	Fluke Networks recommends the tester's operation be verified at a Fluke Networks authorized service center every 12 months.

Distributed by: **All-Spec Industries**

5228 US Hwy 421 N
Wilmington, NC 28401

www.all-spec.com
sales@all-spec.com

PH: 800-537-0351
FX: 800-379-9903

Performance Specifications (cont.)

Tone generator	Generates digital tones compatible with Fluke Networks IntelliTone probe and 4 tones compatible with typical analog probes (all pairs, frequency 1-2 kHz).
Continuity test	Resistance range: 0 Ω to 10,000 Ω Tone generation: Variable tone between 500 Ω and 5,000 Ω . Tone is audible and can also be detected by a tone probe.
Speaker test tone generator	Variable frequency with left and right speaker and polarity control.
Crosstalk and impedance fault diagnostics	Identifies distributed and localized crosstalk and impedance faults on twisted pair cabling. Minimum and maximum lengths (using default NVP values): Twisted pair: 3.4 m to 210.1 m (11.0 ft to 689.2 ft) Coaxial: 3.9 m to 246.0 m (12.9 ft to 807.4 ft)

Regulatory Information

This equipment generates, uses, and can radiate radio frequency energy, and, if not installed and used in accordance with the manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15, Subpart J of the FCC rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of the equipment in a

residential area is likely to cause interference, in which case the user, at his own expense, will be required to take whatever measures may be required to correct the interference.

Performance Specifications

Qualification Autotests	1000BASE-T, 100BASE-TX, 10BASE-T, VoIP, wiremap only, 1394b S100 (Firewire), Telco, 75 Ω coaxial
Autotest speed	4 seconds (typical)
Autotest storage	Up to 250 Autotests
Length test	Range: 300 m (1000 ft) Resolution: 0.1 m (0.1 ft) Typical accuracy: \pm 4% or 2 ft whichever is greater. NVP uncertainty is an additional error Calibration: User-settable NVP for twisted pair and coax. Can determine actual NVP with known length of cable.
Wiremap test	Detects single-wire faults. MultiMap function reports wiremaps for up to 7 remote ID adapters. Draws proportional wire length to breaks. Detects split pairs.
Signal performance	Measures crosstalk and return loss characteristics in frequency range of 1-100 MHz.
Voltage protection	Protected against ISDN, PoE and telephone voltages.