

# CERTIFICATION, TROUBLESHOOTING and INSTALLATION tools

for professionals who install and maintain critical network cabling infrastructure.



## Featured Copper Cable Test Solutions

[www.flukenetworks.com/CopperTestingTools](http://www.flukenetworks.com/CopperTestingTools)

### CableIQ™ Qualification Tester

- Works on live networks to provide Ethernet switch detection and link configuration
- Measure cabling performance (10/100/1000 Mbps)
- Diagnose opens, shorts, split pairs, insertion loss, crosstalk, noise issues
- Graphically maps wiring configuration and shows distance to faults
- Tests twisted-pair, coax, and audio
- Locate and trace cables with IntelliTone 200 Digital Probe (included with CIQ-KIT)



### MicroScanner<sup>2</sup> Cable Verifier

- Displays cable length, wiremap, cable ID, and distance to fault
- Detects Ethernet, POTS and PoE
- Locates virtually any cable or wire pair with IntelliTone™ digital and analog toning
- Tests RJ11, RJ45, coax, with no adapters
- “Oversized” backlit LCD makes results crystal clear in any work environment



### TS<sup>100</sup> Cable Fault Finder

- Measure cable length on spools
- Numeric distance display
- Identify pairs with SmartTone™ generation technology
- Identify and locate distance to opens and shorts
- Works on any two or more conductor cable up to 3,000 feet (915 meters)



### MicroMapper™

- Simple verification of wiremaps and identification of faults with LEDs
- Tests twisted pair cables for open circuits, shorts, crossed pairs, reversed pairs and split pairs
- Remote identifier enables one-person testing
- Built-in tone generator for tracing installed cables hidden in walls, floors and ceilings. Works with Pro3000™ Tone and Probe (sold separately)



## Fiber Fault Location, Power Meters, and Light Sources

[www.flukenetworks.com/FiberInspectionTools](http://www.flukenetworks.com/FiberInspectionTools)

### MultiFiber™ Pro MPO Tester

- Automatic scanning and testing of all fibers in MPO connectors
- MM and SM versions available
- No more fan-out cords when testing MPO fiber trunks
- Easily interpret test results on 8 or 12 fibers with minimal navigation
- Automatically measures and reports polarity



### SimpliFiber® Pro Power Meter / Light Source

- Multiple kit configurations with light sources for single mode, multimode and PON fiber optics
- Single-port, simultaneous dual-wavelength feature completes testing in half the time and saves measurements from both wavelengths into one record
- Min/Max capability automates tracking of intermittent power fluctuations



### Fiber QuickMap™ / OneShot™ PRO

- Quickly and efficiently locate connections and breaks
- QuickMap tests MM fiber to 1,500 meters (4,921 ft)
- OneShot PRO tests SM fiber to 23 km (15 mi)
- Simple set-up
- Six-second test time—eliminates lengthy blind troubleshooting
- Large display shows loss in dB and distance in meters or feet



### VisiFault™ Visual Fault Locator

- Locates tight bends, breaks and bad connectors
- Verifies polarity and identifies fibers
- Bright red visible laser light with continuous and flashing modes
- Ergonomic case survives drops, impacts and vibration





## Copper Cable Toners and Probes

[www.flukenetworks.com/CopperTestingTools](http://www.flukenetworks.com/CopperTestingTools)

### Pro3000™ Analog Tone and Probe

- Tone and trace on non-active networks
- Identify exact pair with SmartTone technology and five distinct tones
- Loud speaker on probe easy to hear through drywall, wood, and other material
- Clips allow easy access to individual pairs and RJ11 easily connects to telephone jacks—no need for adapters



### IntelliTone™ Pro 200 LAN Tone and Probe

- Digital toning eliminates noise and false signals
- SmartTone™ analog toning isolates individual wire pairs
- Locates cables safely and effectively on active networks
- Visible end-to-end continuity test
- Built in wire mapper
- Works on twisted pair, audio, and video cabling



	Pro 3000	Intelli-tone Pro	Micro- Mapper	TS100	MS2-100	CIQ-100
<b>Port Location ID</b>						
Digital Toning		✓			✓	✓
Analog Toning	✓	✓	✓	✓	✓	✓
Switch Presence		✓			✓	✓
VDV Service Detection					✓	✓
<b>Cable Verification</b>						
Cable Wiremap		✓	✓		Graphical	Graphical
Cable Length				✓	✓	✓
Qualified Cabling Speed (10/100/1000/VoIP)						✓
<b>Cable Troubleshooting</b>						
Identify open/short	✓	✓	✓	✓	✓	✓
Distance to open/short				✓	✓	✓
Locate crosstalk fault						✓
Identify and locate impedance fault						✓



## Fiber Cleaning and Inspection

[www.flukenetworks.com/FiberInspectionTools](http://www.flukenetworks.com/FiberInspectionTools)

### Fiber Optic Cleaning Kits

- Eliminates the #1 cause of fiber optic link failure: contamination
- Supports all fiber connector types in datacenter and campus environments
- Quick Cleaners—easily clean fiber end-faces and ports
- Solvent pen precisely dispenses specially formulated fiber optic cleaning solution
- Cards for convenient cleaning of fiber end-face



### FI-500 FiberInspector™ Micro

- PortBright™ illumination to find ports in dark and dense panels
- Auto-focus for stable images in seconds
- Clearly displays MM and SM
- Includes 4 UPC tips (LC, SC, 1.25 mm and 2.50 mm)
- APC tips available



### Quick Clean™ Cleaners

- Available in 1.25 mm, 2.5 mm, and MPO styles
- Just push and the “click” lets you know it’s done
- Clean over 500 end-faces per unit
- Tip extender to 208 mm for hard to reach connectors



### Test Reference Cords (TRCs)

- Used for certifying cabling systems in accordance with standards
- Reference grade connectors



### Fiber Launch Cables

- Used with OTDRs to characterize fiber links
- Standards compliant reference grade connectors





## Termination Tools

[www.flukenetworks.com/TerminationTools](http://www.flukenetworks.com/TerminationTools)

### Termination Tools and Adapters

Ergonomic design, high-quality materials and Fluke Networks quality for separating, stripping and cutting wire. Perfect tools for your every job.



Modular Crimper



Need-L-Lock™ Crimping Pliers



D-Snips™



Cable Strippers



Probe Pic



Can Wrenches



4 and 8 position Modular Adapters

### Impact Tools

#### D914™ Series Impact Tools

- Hook, spudger and blade storage tools are built into the handle
- Select low impact for 24/26 gauge wire or high impact for 22-gauge wire
- Optional Phillips-head or flat screwdriver blade
- Supports a variety of torque tool bits and sockets
- Easy blade insertion, locks in place
- D914S features soft touch rubber handle and ergonomic design



#### JackRapid™ Punchdown Tool

- Terminate jacks eight times faster than traditional impact tools. The patented design seats and terminates all wires simultaneously. Built-in blade cuts off the excess wire eliminating the need for a secondary trim step
- High-quality, consistent terminations
- Ergonomic design reduces hand fatigue
- Convenient, built-in stripper
- Multiple versions support several jack manufacturers



#### Pro-Tool™ Kits

- Ergonomically designed Dur-a-Grip™ pouch for convenient tool storage on belt
- D914™ and D814™ industry standard punchdown tools make for solid terminations
- Easy to use cable stripper quickly rings and slits many types of cable
- Probe Pic checks for loose or damaged connections
- Cut and strip wire with Electricians' D-Snips™
- Three kit combinations available



## Telephone Butt-In Test Sets

[www.flukenetworks.com/ButtInTestSets](http://www.flukenetworks.com/ButtInTestSets)



### Comparison Chart

	TS®54 TDR	TS®52 PRO	TS®22A	TS®22	TS®25D	TS®30 / TS®120*	TS®19
TDR for distance to Open, Shorts	✓						
Built-in toner	✓						
Display—backlit LCD and glow-in-the-dark keypad	✓	✓			LCD only		
Extended range high-impedance DataSafe™ operation in monitor mode	✓	✓			✓		
High-impedance DataSafe operation in monitor mode	✓	✓	✓		✓	✓	✓
Data lockout protection	✓	✓			✓		
DSL/POTS filtering technology	✓	✓			✓		
Low/high voltage indication	✓	✓			✓		
Low current (mA) indication	✓	✓			✓		
Over voltage and current protection	✓	✓	✓	✓	✓	✓	
Waterproof—exceeds American Military Spec. MIL-STD-810E	✓	✓					
RainSafe™—safe in severe weather conditions	✓	✓	✓	✓		✓	
DropSafe™—passes 20 foot (6 meter) drop test onto concrete	✓	✓	✓	✓		✓	
Stores nine 18-digit numbers in repertory dialer (speed dialing)	✓	✓	✓	✓	✓		

\*TS120 for outside North America only. 67/33 break/make ratio.



## The System for Certifying, Managing and Reporting on your Cabling Installation Projects

[www.flukenetworks.com/Versiv](http://www.flukenetworks.com/Versiv)

# VERSIV™

Cabling Certification System



### Certify

#### DSX CableAnalyzer™ Series Copper Certification

- Unmatched speed for Cat 5-8
- Graphically displays the source of failures including crosstalk, return loss and shield faults
- Meets TIA 2G and IEC Level V—the most stringent accuracy requirements
- Endorsed by cabling vendors worldwide

#### CertiFiber® Pro Optical Loss Test Set

- Fastest time to certify—two fibers at two wavelengths in six seconds
- Encircled Flux compliant
- Single module performs both SM and MM testing
- SM testing to 130 km
- Built-in Visual Fault Locator

#### OptiFiber® Pro OTDR

- Industry's shortest event and attenuation dead zones
- Simple set-up and fast trace times
- EventMap™ view negates the need for OTDR Trace Analysis
- Bi-directional testing from one end with SmartLoop™
- SM testing to 130 km
- Built-in Visual Fault Locator

#### FI-7000 FiberInspector™ Pro

- Automated Pass/Fail certification of fiber optic connector end-faces
- Graphical indication of problem areas
- Compliant with IEC 61300-3-35
- Fully documents results using LinkWare™ PC or LinkWare™ Live

### Manage

#### LinkWare™ Live Certification Management

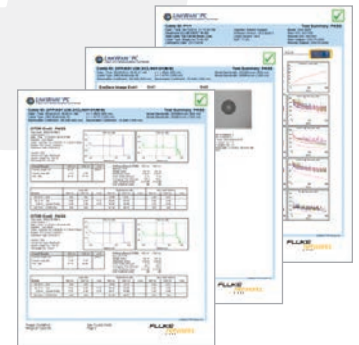
- Upload and consolidate test results from remote sites
- Track project status from smart devices
- Create and manage test setups and cable ID's
- Track last location used and calibration status of your entire fleet



### Report

#### LinkWare™ PC Cable Test Management Software

- Electronically save, maintain and archive test results
- Generate professional, customizable reports
- Provides a statistical view of your entire cable plant's performance
- Compliant with TIA 606-B



**VERSIV** makes you  
**MONEY** every time you use it

Versiv users report a 66% reduction in problems with testing and a 10% increase in overall profitability.

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