VERSIV™
Cabling Certification System

Eight reasons why Versiv™ cuts certification costs by 65%

Until a few years ago the Fluke Networks DTX CableAnalyzer™ was the world's most popular tool for certifying premises copper and fiber cabling, with billions of links certified. While the DTX has served owners well for many years, there is something better available now. Actually something far better. In a recent survey 219 users of the Versiv cabling certification system, who collectively installed almost 500,000 links in 30 days, told us certification costs were reduced by 65%!

FASTER SET UP

FASTER TESTING DSX-8000: **3x** faster
OptiFiber® Pro OTDR: **7x** faster
CertiFiber® Pro: **4x** faster

REDUCED MISTAKES Jobs done right the first time

FASTER REPORTING And thorough control

FASTER TROUBLESHOOTING

Users become **INSTANT EXPERTS**

EXTENDED TESTS TCL, shield integrity and resistance unbalance

Error free **LABELING** with Epson, Brother, DYMO, Brady

FLUKE networks®

1 Faster set up

Waiting for your expert to set up the tester wastes time. Setting it up wrong can waste a lot more when an entire day's work isn't done to spec.

Versiv's ProjX™ management system makes setup easy and foolproof. Enter the testing details for the job once, and your techs are given the choice of only the correct tests for that job—especially valuable when the tester moves from job to job. And Versiv lets users enter data many times faster through a modern smartphone interface instead of hunting and pecking with the DTX's arrow keys.

2 Faster testing

The DTX set records with its testing speed. But Versiv is even faster: almost three times as fast for Cat 6A, four times as fast for fiber loss testing and seven times for OTDR testing. And that's just starting up (which Versiv does in half the time).

Versiv accelerates fiber testing with features that aren't available on the DTX. The SmartLoop™ feature lets you perform an OTDR test on two fibers at once and provides averaged bi-directional results instantly without moving the tester to the other end. Quad modules mean you don't have to hunt for and switch to the other module when you're doing a mixed multimode/singlemode job. And Versiv automatically grades fiber endfaces in about a second—something the DTX can't even do manually.

Waiting is the opposite of fast—but if your DTX battery is fully drained, you have to plug in and wait up to 15 minutes. With Versiv, you just plug it in, and start testing. LinkWare Live tracks where your tester last synced—no more time wasted hunting them down.

3 Reduced mistakes

Call-backs can turn a profitable job into an unprofitable one. That's why Versiv is designed to eliminate mistakes. With the DTX, it's not hard to select the wrong limits.

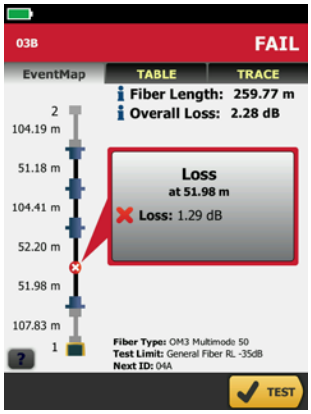
When you do, all the tests need to be run all over again. But with Versiv's ProjX Management System, your techs can only choose the tests that you define for the specific job. LinkWare Live lets you track testing the status of each job from any mobile device, down to the level of each individual test. It will even indicate when unexpected tests are being performed and warn you that the tester needs calibration before it's too late.

Setting the fiber reference is a complex task on the DTX, and if it's done wrong, every subsequent measurement is invalid—and your techs might not even know. But Versiv leads the tech through this critical process, eliminating "negative loss" measurements that can result if it's done wrong. With so many ways of preventing and warning you of errors, you might forget the meaning of "call-back".

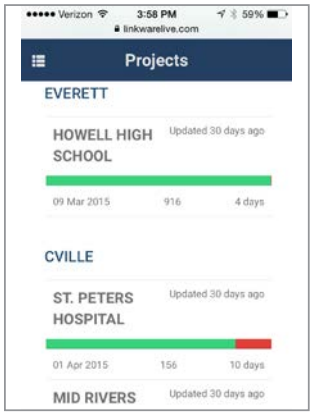
4 Faster reporting and thorough control

Since Versiv uses the same LinkWare PC software as the DTX, there's no learning curve when it comes to reporting. But Versiv's faster reporting might take some getting used to. Instead of hauling testers or memory cards back to the office, just upload the results from Versiv to the LinkWare Live cloud service, which automatically assigns the right tests to the right job—across all your testers. No more hunting for those missing tests. Versiv also provides 48 times more internal test storage than the DTX, and unlimited storage externally using USB devices or the cloud service.

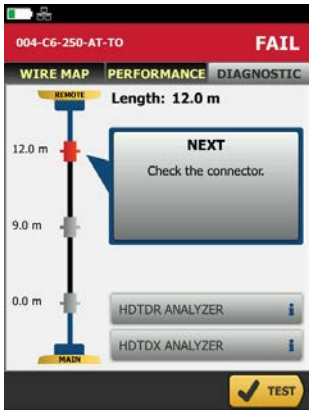
A full keyboard for faster data entry than the DTX



The most advanced diagnostics tell you exactly what needs to be fixed



Track the status of jobs from smart devices



The Fault Info feature pinpoints problems for fast resolution.

5 Faster troubleshooting

The DSX CableAnalyzers are equipped with a unique Fault Info function, consolidating decades of Fluke Networks cabling infrastructure troubleshooting knowledge, providing unmatched diagnostic capabilities. As a result, time consuming "trial and error" testing is eliminated because the source of failures including crosstalk, return loss and shield faults are displayed graphically.

Powerful HDTDX and HDTDR diagnostics run at the full bandwidth of the tester and pinpoint exact fault location.

6 Users become instant experts

Visual aids and a Graphical User Interface guide users and prevent mistakes from occuring. DTX users have reported spending an average of 20 hours on problems per 1000 links. Versiv eliminates this wasted time with a graphical user interface that shows easy to understand results, ensuring jobs get done right the first time.

7 Extended tests

Versiv's DSX modules include tests specified in the Standards but not required for field testing because they were previously only possible with laboratory equipment:

Transverse Conversion Loss (TCL): Shows you how well the impedances of the pair's conductors are balanced. Likely to be included in future field test requirements. Specified in ANSI/TIA-568.2-D and TSB's & ISO/IEC 11801:2010. Evidence is accumulating proving that failed TCL may cause 1GBASE-T and 10GBASE-T to malfunction, even when all other transmission parameters provide good margins above the standard limits.

Shield Integrity: Will detect if shield is open (floating) at one end. Can result in significant detoriation of EMI and Alien Crosstalk performance. (Already required in Category 8 field test requirements.)

Resistance Unbalance: Specified in IEEE 802.3af and 802.3at, ANSI/TIA-568-C.2 and ISO/IEC 11801:2010. While PoE devices can tolerate some DC resistance unbalance, too much unbalance causes saturation of the transformer, which can cause Ethernet data signals to become distorted. As a result, PoE operation at maximum load is at risk if Resistance Unbalance is not compliant.

8 New LinkWare Live affiliate partners

Leading companies worldwide including Brady, Brother, CommScope, Dymo, and Epson have affiliated with Fluke Networks to leverage the ability of LinkWare Live to streamline the cabling installation and certification process.

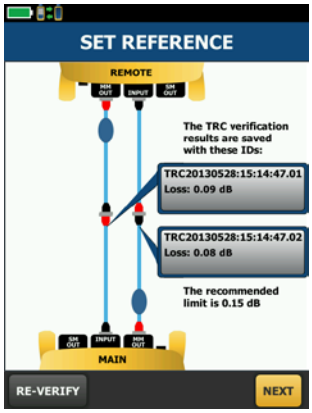
Typically 3.2 hours per 1000 links are wasted manually editing Cable ID's in reports that don't match the specs.

Cable IDs and test settings can now be set from your PC or tablet, then sent online to the testers or labelers at the jobsite for mistake-free testing and labelling.

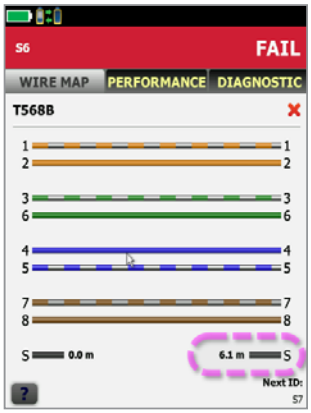
With Versiv you are future ready

Being future-ready may result in short-term savings but can be a huge cost savings in reliable Fluke Networks testers which are commonly used for a decade or more.

Investing in Versiv means you'll also be ready to take on new jobs from Cat 5 to Cat 8. Certify coax and standard or industrial Ethernet patch cords in both directions. Test singlemode fibers that are more than ten times as long as your DTX can test. And the modular design means you can add new capabilities without buying a new tester.

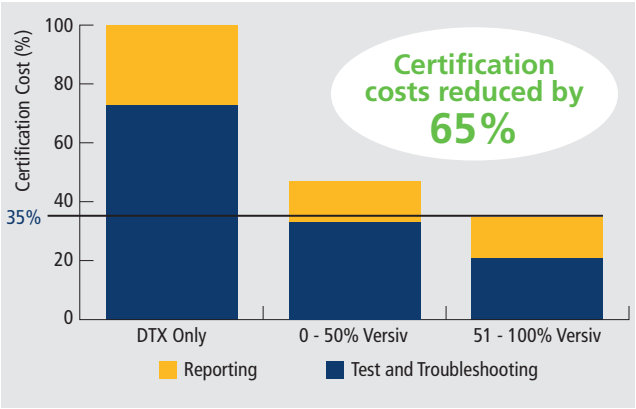


The Set Reference Wizard verifies the Test Reference Cords (TRCs) as well.



Versiv not only tests the integrity of the shield, but also pinpoints the failure.

219 installers who collectively installed 293,532 (61%) copper links and 185,495 (39%) fiber links reported:



See how Versiv™ stacks up against your DTX

	Versiv	DTX
Faster set up		
ProjX™ management system	✓	
User interface	SmartPhone	Softkeys
Data entry	Touchscreen keyboard	Arrow/entry keys
Download test setups from LinkWare Live	✓	
Share data with Brady, Brother, Dymo and Epson Labelers	✓	
CommScope SYSTIMAX® Fiber Link Loss Calculator	✓	
Faster testing		
Cat 6A/Class E_A test time	8 sec	22 sec
Next generation copper diagnostics	✓	
Fiber loss test time	3 sec	12 sec
OTDR test time (per wavelength)	2 sec	15 sec
Quad loss test module	✓	
Summary screen displays loss of both fibers	✓	
Autosensing bi-directional loss testing	✓	
Bi-directional OTDR testing (with instantly averaged results[1])	✓	
EventMap™ fiber diagnostics	✓	
Automated fiber inspection per IEC 61300-3-35	1 sec	
Drained battery wait time	No wait	15 min
Track last location "synced" with LinkWare Live[2]	✓	
Reduced mistakes		
Track project status from smart devices with LinkWare Live	✓	
LinkWare Live reconciliation alerts	✓	
LinkWare Live calibration alerts[2]	✓	
Cat 8 G2 compliant shield integrity test	✓	
Automatic verification of TRCs with stored results	✓	
Animated fiber set reference wizard	✓	
Fails negative loss results	✓	
Faster reporting		
LinkWare PC software	✓	✓
Internal storage (Cat 6A with plot data)	12,000 results	250 results
Storage options	USB: 64 GB max LinkWare Live : unlimited	SD/MMC: 2 GB max
Upload/consolidate results from anywhere with LinkWare Live	✓	
Fiber inspection reports	✓	
Future ready		
Category 8 certification	✓	
Calibrate copper module without mainframe	✓	
Integrated alien crosstalk	✓	
Transverse conversion loss measurement	✓	
Resistance unbalance measurement	✓	
Bi-directional patch cord certification	✓	
Coax certification per ANSI/TIA-568-C.4	✓	
Maximum copper frequency range	2000 MHz	600 MHz
Certify RJ45-to-M12 patch cords	✓	
Maximum OLTS range (MM/SM)	12 km/130 km	5 km/10 km
Maximum OTDR range (MM/SM)	35 km/130 km	6 km/20 km

[1]SmartLoop™ Patent Pending
[2]For details visit: www.flukenetworks.com/linkwarelive

www.flukenetworks.com/Versiv