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DSP Patch Cord Test Adapter

Fluke Netorks' DSP Patch Cord Test solution gives you a simple, cost-effective way to quickly verify whether a patch cord meets TIA performance specifications:

- Test patch and equipment cords quickly with 15-second Autotest.
- Test efficiently and accurately to TIA/ISO Cat 6/5e patch cord test requirements.
- Ensure that patch cord performance meets the performance of the installed link.
- Measure all key patch cord test parameters: wiremap, length, propagation delay, delay skew, NEXT, and Return Loss.
- Count on rugged durability for reliable performance.

Test the weakest link–quickly, easily, and cost-effectively

Strict new TIA requirements and the high data-rate demands of Cat 5e/Class D and Cat 6/Class E cabling systems make testing for patch cord performance more critical than ever. And now it's easy to do–with the DSP Patch Cord Test solution from Fluke Networks. Simply plug the rugged, compact adapters into your DSP-4000 Series CableAnalyzer, download the test database, and you've got the high-speed, fully-automated tester you need to meet TIA patch cord test requirements. Reduce bit errors. Increase channel throughput. Improve systems margins. And reduce network downtime. That's what we call a high return on investment; that's Fluke Networks SuperVision.

Stay on top of new TIA specs–and maximize network performance

Patch cords are a common but often overlooked drag on network performance. From the start, not all of them are created equal; performance of new patch cords is inconsistent. And most cords are only tested for wiremap not performance – in spite of what may be indicated on the jacket. On the job, they undergo the wear and tear of daily use. Permanent Link testing only shows you the true performance of the installed link, without the cords. And although it's well known that patch cord quality has a major impact on the Channel, meaningful tests have been costly, complex and time-consuming–until now.

Eliminate the risk of using faulty patch cords

As new TIA standards require more sophisticated patch cord testing, simple continuity or wiremap tests don't measure up. With the touch of a key, Fluke Networks' high-speed DSP Patch Cord Test solution keeps you on top of new technology and TIA requirements, making it easy to:

- Quickly verify whether a patch cord is fully compliant with the new TIA 568B standards.
- Check legacy patch cords to isolate faulty cords that degrade network performance and contribute to network downtime.
- Test patch cords to ensure optimal network performance with greater channel throughput and greater system margin.
- Reduce the error rate of advanced applications that use multiple-pair transmission schemes and bidirectional communication on the same pair(s).

Test patch cords as easily as links

Getting sophisticated TIA-compliant specs from the DSP Patch Cord Test solution is quick and easy to do. Once the tester has been configured with the patch cord test database and the test adapters are connected to the main and remote test units, simply plug the patch cord into the tester. Select the desired standard in the setup menu. Turn the front panel knob to AUTOTEST–and press the Test key. In approximately 15 seconds, you'll know whether the cord meets Cat 5e or Cat 6 performance requirements.

Get a unique view into patch cord performance with Fluke Networks' DSP Patch Cord Test solution.

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A powerful database

The DSP Patch Cord Test solution database can be quickly downloaded and easily installed into your Fluke Networks DSP-4000 Series tester using LinkWare software. The patch cord test database also supports the main TIA and ISO link and channel test standards. More good news: If you regularly test installed cabling links to the Permanent Link test model or the Channel test model as specified in TIA or ISO standards, there's no need to reconfigure the testers.

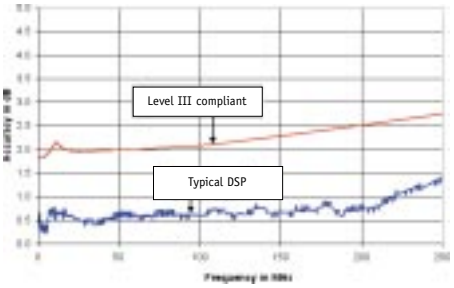
Sophisticated patch cord testing made simple

Having low-performing patch cords on a high-speed network is like putting shopping-cart wheels on a Corvette: you simply can't get the performance you've paid for. Fluke Networks' DSP Patch Cord Test solution gives you a fast, cost-effective way to verify whether your patch cords meet new TIA performance specifications–and support high-speed network demands.

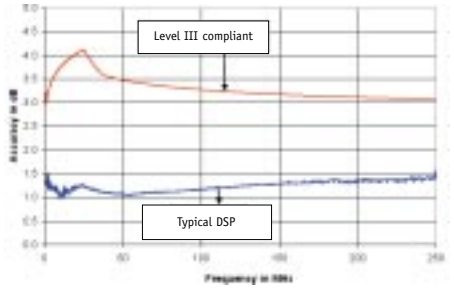
Measurement accuracy

The measurement accuracy is computed in accordance with the guidelines in TIA/EIA-568-B.2-1 and IEC 61935-1. Typical accuracy is based on observed performance parameters and is significantly better than Level III requirements. Excludes variability due to properties of test heads

Pair-to-pair NEXT loss measurement accuracy



Return Loss measurement accuracy



Technical Specifications

General specifications	
The DSP Patch Cord Test solution is designed to test TIA Category 5e and 6, and ISO/IEC Category 5 and 6 patch cords. The DSP Patch Cord Test Adapter set contains two adapters: one to be connected to the main DSP-4X00, the other to be connected to the remote DSP-4X00. These test adapters meet the category 6 patch cord test head requirements per TIA/EIA-568-B.2-1.	
Parameters tested	
Wire map to ensure that the wire pairs are properly connected	
Propagation delay, length and delay skew	
One way) near-end crosstalk (NEXT), and (one way) return loss	
Pass/Fail limits	
The patch cord test database contains pass/fail limits as specified in:	TIA/EIA-568-B.2-1 , Category 5e and 6, and ISO/IEC 11801-2002 Category 5 and 6.
The patch cord test database contains test limits for the following patch cord lengths:	0.5 m, 1 m, 1.5 m, 2 m, 2.5 m, 3 m, 4, 5 m, 7.5 m, 10 m, 15 m and 20 m.

Ordering Information

Model	Description
DSP-PCI-6S	DSP Patch Cord Test Adapter (set) Includes: DSP 4000 main unit adapter, DSP 4000 series remote unit adapter, DSP Patch Cord Test database (CD-ROM), and user manual (CD-ROM)
LinkWare	LinkWare™ Cable Test Management Software Free download from Fluke Networks' web site at: **www.flukenetworks.com/linkware**
DSP-PCI C6 Jack	Cat 6 patch cord jacks, set of 10

Fluke Networks delivers Network Supervision

Fluke Networks is committed to providing Network SuperVision Solutions that optimize performance–and the bottom line. From innovative products and tools that comply with emerging standards, to responsive service and training to help you grow your business, Fluke Networks helps you keep pace in today's fast-moving, networked world by keeping our eye on the future for you. That's Network SuperVision. That's our promise to you.

For more information on the DSP Patch Cord Test solution from Fluke Networks, visit us at
www.flukenetworks.com/patchcordtest
Or call us at 1-800-508-0490.

NETWORKSUPERVISION

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