



# press release

**For Immediate Release**

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## **ADC KRONE CopperTen Claims an Industry First in Independent Testing For Category 6<sub>A</sub>**

**Hong Kong – 2 JUNE 2008** – ADC KRONE announced today that the company's flagship 10 Gigabit/s balanced cabling system, TrueNet<sup>®</sup> CopperTen<sup>™</sup>, became the first system in the telecommunications industry to pass all of the available third-party verification tests against the TIA Category 6<sub>A</sub> standard and the more onerous ISO/IEC Class E<sub>A</sub> / Category 6<sub>A</sub> standards, including compliance testing at the component level. The independent testing was conducted on May 1, 2008 by DELTA test labs.

"ADC KRONE's unshielded CopperTen products have been subjected to the most exhaustive independent testing currently available against the TIA and ISO standards, passing every test in our process," said Erik Bech of DELTA test labs. "ADC KRONE is the first to be EC-VERIFIED by DELTA to the strict category 6<sub>A</sub> requirements for component compliance." It guarantees that the products have been tested to all international relevant standards in the most exacting way, under rigorous control, and with regular inspection of the manufacturer's production quality.

"The amended ISO/IEC 11801:2002 standard has more onerous technical requirements for NEXT than the finalised TIA standard, particularly at higher frequencies," said Peter Meijer, technical manager for ADC KRONE. "Two new parameters have recently been introduced regarding external 'alien crosstalk' transmission performance, as have the requirements to assess short channels and permanent links. These are all particularly apt for cabling premises such as data centres."

As part of the testing process, TrueNet CopperTen (unshielded) products were taken directly from the production line and tested in a six-around-one formation for both long and short configurations in order to represent extremes in the installation environment. Testing of the CopperTen (unshielded) portfolio was undertaken by DELTA laboratories in Denmark and ETL laboratories in the USA. Every channel, permanent link and component tested conformed with the TIA Category 6<sub>A</sub> and ISO/IEC Class E<sub>A</sub> / Category 6<sub>A</sub> standards' requirements.

"We believe that no other manufacturer has yet been able to demonstrate such a level of conformity to the standards as ADC KRONE has with the unshielded variant of CopperTen," said Meijer. "Although several manufacturers have succeeded in some form of testing, it is unclear whether all of them have been against the new "short" channels/links and external transmission parameters for which CopperTen is now fully verified."

CopperTen has been assessed on the newly defined "external" transmission parameters - PS ANEXT (power summation alien near end crosstalk) and PS AACR-F (power

- more -

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summation alien attenuation to crosstalk ratio, far-end) – and has exceeded all requirements.

### Conformance checklist

CopperTen (unshielded) is independently verified as complying:

- **TIA 568-B.2-10 Category 6<sub>A</sub> (published)**  
Four connector long (100m) and short (26m) channel.  
Three connector long (90m) and short (20m) permanent link.  
LSZH, riser and plenum cable.  
Modular RJ-45 connecting hardware found in outlets and patch panels.
- **ISO/IEC 11801:2002 Amendment 1 Class E<sub>A</sub> (published)**  
Four connector long (100m) and short (26m) channel.
- **ISO/IEC 11801:2002 Amendment 2 Class E<sub>A</sub> (draft)**  
Three connector long (90m) and short (20m) permanent links.
- **ISO/IEC 11801:2002 Amendment 2 Category 6<sub>A</sub> (draft)**  
LSZH, riser and plenum cable.  
Modular RJ-45 connecting hardware found in outlets and patch panels.

"We also subscribe to the regime called 'maintenance of certification' under which the third-party test house is entitled at any time to obtain product directly from our production line or from any sales outlet and re-test it," said Glen Johnston, senior structured cabling product manager with ADC KRONE. "Failures in production product quality can lead to the revocation of our certification. This regime actually applies to the conformance certification of all ADC KRONE TrueNet products and as such we believe provides our customers with the best possible guarantee of product quality."

In addition, when installed by a TrueNet Integrator, every TrueNet network including CopperTen carries ADC KRONE's guarantee that there will be no bandwidth reduction or network slowdown caused by the cabling network during its entire 20-year working life.

"We are proud that we are the first company to be able to offer our customers such a demonstrably standards compliant Class E<sub>A</sub> / Category 6<sub>A</sub> solution," said Johnston. "The capacity of many companies' 10/100 Mbit/s networks are being reached and as a result they have to upgrade. With ADC KRONE solutions, enterprise customers can be sure that their networks will be able to cope with the demands of modern high-speed transmission technologies such as 10Gigabit Ethernet. Above all else, we believe this means that companies can be secure in both their planning and business when deploying ADC KRONE solutions."

Copies of the certificates of conformance are available at  
<http://www.adckrone.com.au/adc/sitemaster/page.asp?id=105>

### About ADC KRONE

ADC serves its customers as ADC KRONE in the Europe/Middle East/Africa, Asia-Pacific regions of the world. ADC KRONE provides the network infrastructure equipment and services needed to deliver voice, video, Internet and data communications around the world. Wireline, wireless, cable, enterprise, and broadcast network operators rely on ADC offerings to deliver bandwidth intensive, high-speed services to residential, business and mobile subscribers. ADC (NASDAQ: ADCT) has sales into more than 130 countries. Learn more about ADC KRONE at [www.adckrone.com](http://www.adckrone.com).

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