



**Press release**

## **Nexans breaks new ground with two new concepts in copper cabling solutions**

*New Nexans Cat 6A solution removes the need for over-length cabling in data centers while the new Cat 7A solution prepares the way for the 40 Gig revolution*

**Paris, June 24, 2008** – Nexans, the worldwide leader in the cable industry and expert in LAN cabling solutions, has launched two revolutionary concepts in copper cabling technology with its new LANmark-6A and -7A products. This announcement follows closely behind the recent ratification of international standards for new copper classes Cat 6A and Cat 7A: the Cat 6A standard (500MHz) has been developed to support 10 Gigabit applications while the Cat 7A standard (1000MHz) is designed for 40 Gigabit usages.

These developments, with copper cabling now able to support frequency ranges up to 1000MHz, provide further proof that copper solutions can continue to evolve to meet the needs of high bandwidth applications well into the future. Nexans is launching its new LANmark-6A systems and LANmark-7A cabling simultaneously to further reinforce its position as provider of choice for customized infrastructures.

### **LANmark-6A – Optimizing short distance applications**

More than 80 per cent (source: BSRIA\*) of modern data centers predict that they will be employing 10 Gigabit within the next 5 years to meet their requirements for more bandwidth, higher capacity and higher density. Nexans is prepared for these developments with its Cat 6A Zero Risk Solution based on shielded products that ensure immunity from alien crosstalk. Recognizing the cost advantages of copper compared to fiber solutions, the market clearly demands a copper solution for applications of up to 100 meters that will be compatible with existing equipment.

The new LANmark-6A range, supported by a newly developed connector with excellent electrical performance, offers up to three connection points within 12 meters. This makes it an ideal solution for modern data centers that are already facing severe space problems with cables that are too long and heavy. Previously, this type of approach was not achievable with most 10G compliant copper cabling solutions. Now, this flexibility is available for data centers in a lower-cost copper solution that also addresses the critical space and storage problems presented by over-length cabling.

There are also various other significant benefits for data centers, such as 360° screening that provides complete alien crosstalk immunity. The Nexans LANmark-6A screened solution exceeds all alien crosstalk requirements, providing massive headroom for the user as well as the confidence that the new systems will be compliant. No field-testing is required, allowing further cost advantages.

Because Nexans' 10G cables have a smaller diameter and tighter bend radius than most UTP solutions, screened 10G systems are easier to install than 10G UTP solutions and therefore also more cost efficient.

### **LANmark-7A – Preparing for the Future**

Nexans has developed the LANmark-7A solution to meet the predicted demand for 40 Gigabit from customers and data centers planning to provide "Video on Demand" services. This need is likely to become more widespread after 2015. LANmark-7A is a revolutionary, world first, solution, offering capacity of up to 50 Gigabit and high frequency support. It also supports RJ45 based legacy equipment (100BaseT, 1GbaseT, 10GBaseT) using the revolutionary GG45 connector introduced in 2003.

With double the bandwidth and half the crosstalk of Cat 6A, LANmark-7A is future proofed for 40 Gigabit applications developed by IEEE802.3, as well as fully backwards compatible. LANmark-7A is easy to upgrade, migrating to 40G by simply changing patch cords. It also offers 360° screening and alien crosstalk immunity.

Martin Roßbach, Director of Product Marketing for Nexans Cabling Solutions is excited about these latest innovations: *"Yet again we have reinforced our position as the leading innovators in cabling solutions, not only pre-empting the future, but creatively embracing its challenges and meeting customer needs long before they arise."*

Both products will be available on the market from July 2008.

\* BSRIA is a consultancy, test and research organization providing construction and building services companies.

### **About Nexans**

With energy as the basis of its development, Nexans, the worldwide leader in the cable industry, offers an extensive range of cables and cabling systems. The Group is a global player in the infrastructure, industry, building and Local Area Network markets. Nexans addresses a series of market segments from energy, transport and telecom networks to shipbuilding, oil and gas, nuclear power, automotive, electronics, aeronautics, handling and automation.

With an industrial presence in more than 30 countries and commercial activities worldwide, Nexans employs 22,000 people and had sales in 2007 of 7.4 billion euros. Nexans is listed on Euronext Paris, compartment A. More information on <http://www.nexans.com/>

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