

## Adding Value to Local Area Networks in **EDUCATION**

### Why change to Nexans ?

Nexans is No.1 in Europe for LAN cable  
and No.2 worldwide for structured cabling solutions.

Through our core principles of  
expertise, performance, global presence, and partnership,  
we will find the right solution to meet your real needs.

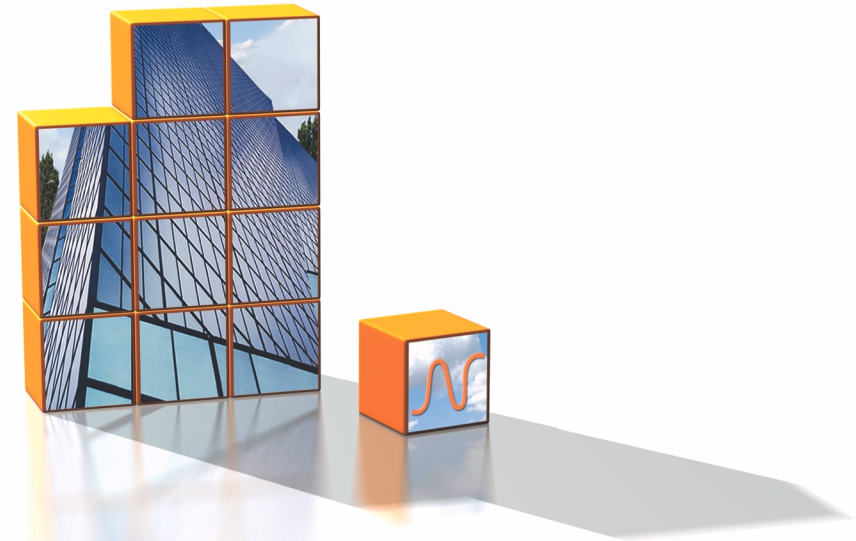
With a knowledge of your specific requirements,  
a partnership with Nexans will deliver  
ultimate value for money today  
and lower cost of ownership tomorrow.

- diverse range of solutions to meet diverse needs
- qualified Certified System Installers
- 'End User' installation training available
- extensive Parts & Labour guarantees
- comprehensive support package

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### Understanding your needs is at the core of Nexans Solutions

Nexans philosophy has always been to use our  
diverse range of solutions to solve the diverse  
range of problems facing our customers.

And education is no exception.

With fundamentally different issues and  
requirements to those of the enterprise market, the  
Nexans range includes features which are tailored  
to meet the demands of Universities, Colleges, and  
Schools with the aim of providing benefits which  
deliver true value for money.

# Knowing your network

The first issue for many managers responsible for the network infrastructure is knowing what they have in the first place! Legacy systems inherited over a period make it difficult to understand whether the infrastructure is a problem or not.

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*Nexans can arrange for an in depth audit of your network to check the state of both the cabling, and the applications and configuration before you invest.*

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## Student Accommodation

Student accommodation blocks have their own special needs. Being subjected to a continuous stream of changing users, they are often more prone to physical abuse and accidental damage.

Nexans 'snap-in' connectors are not only more robust than traditional 'punch down' solutions but the modular concept enables damaged outlet hardware to be changed without the need to re-terminate the connector itself.

Likewise, Nexans 'sliding draw' modular panel allows easy access for maintenance and additions



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*Nexans can deliver robust solutions for environments where ease of maintenance is a prerequisite:*

- Fully modular
  - Toolless connectivity
  - Sliding modular panels for easy access
  - Choice of **LANmark** enhanced systems or '**e-ssential**' standard performance
  - Angled outlets minimise risk of accidental damage
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## Campus Connections

Universities are typified by campus sites comprising a myriad of interconnected buildings. Fibre is usually the preferred option for campus connections however fibre also has its limitations; whilst multimode systems offer significantly better value for money than singlemode due to the lower cost active equipment, standard grade fibres are still limited by distances of a few hundred metres or less for Gigabit and multi-Gigabit applications.

Nexans has developed a range of solutions to meet these needs, including laser optimised fibres delivering extended distances, and cost effective shared media solutions combining the distance and environmental capabilities of fibre whilst maintaining the interconnection convenience of copper. All backed by Nexans comprehensive 'Certified System' warranty.

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*Nexans can provide cost effective campus solutions delivering exceptional value for money.*

- Laser enhanced **LANmark-OF xt** extended distance fibres
  - Media conversion solutions enabling fibre links but maintaining copper patching & NICs
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## Faculty Buildings

Universities are at the forefront of pioneering research. For this reason, a high performance infrastructure which enables the early adoption of the latest applications is often vital.

At Nexans too, we pride ourselves on our R&D facilities and technical expertise. We were the first to deliver true Category 6 copper solutions and patented the technology for Category 7. In the field of Fibre Optics, we were first to develop laser optimised multimode to overcome the distance limitations of Gigabit Ethernet, and we are undertaking advanced research to develop next generation future technologies such as Plastic Optical Fibre.



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*Nexans have the expertise to deliver the highest performance, future proof networks with complete confidence.*

- High performance **LANmark-6** and **LANmark-7** systems
  - **LANmark-OF xt** extended distance fibre solutions
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## Laboratories

Often utilising advanced equipment connected to high powered analytical computers and surrounded by machinery with the potential for causing data disruption due to electromagnetic interference, scientific laboratories present their own special set of problems.

Nexans can meet these requirements using copper, fibre, or shared media solutions. Our unique 'Dual foil' F2TP screened systems have been developed to offer superior EMC performance with easy installation, or simple, cost effective fibre solutions are available for hazardous areas.

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*Nexans have a range of solutions ideal for harsh, high noise environments:*

- Copper, Fibre, or shared media options
  - Unique dual foil 'F2TP' screened copper cabling solutions
  - Media conversion solutions enabling fibre links but maintaining copper patching & NICs
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## Schools

The performance requirements of schools are often less demanding than for Universities & Colleges but the issues faced by schools are no less challenging. Value for money is of paramount importance, but the physical layout of schools can often be a problem with a high use of outbuildings needing just a few data points where copper is not suitable.

The Nexans 'e-ssential' range provides a fully compliant, value for money system meeting the needs of both the classroom and the administrative functions, and to overcome access difficulties to external or remote buildings, Nexans can provide media conversion products enabling fibre to be run to the classroom, but allowing up to four PCs to be connected using standard copper patchcords.



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*Nexans can provide value for money systems and simple solutions to connect remote outbuildings:*

- Nexans '**e-ssential**' value range
  - Media conversion solutions enabling fibre links but maintaining copper patching & NICs
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