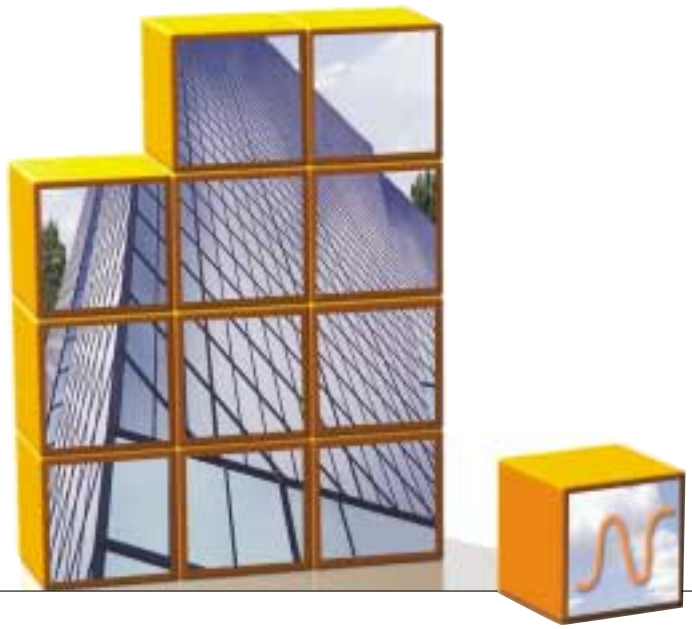
Nexans



Add value to Local Area Networks

Understanding your needs...

Local Area Networks are the invisible environment of today's interactive world. They are omnipresent in businesses, administrations, campuses, hospitals, utilities and transportation. LANs are the physical web of copper/fibre cables and connections linking computers, terminals and telephones for voice, data and video applications within one building or between buildings. They allow people and machines to exchange information quickly and efficiently.

Since every business and application is different, a LAN must be custom-designed to meet diverse needs. End-users expect installers to achieve the best cost-benefit compromise by applying some key parameters:

- building lifetime and length of occupancy: short, medium or long-term
- type of application: basic administration, high-speed corporate, multimedia
- environment: size, shape, height, distribution of buildings
- degree of reliability: non-critical, or high data security
- technical challenges: EMI, heritage site, concrete floors, distance considerations
- type of business: large or small, office or factory, campus or administration

In addition, installers have their own special concerns in terms of cost, packaging, installation, cable performance, connectivity, training, guarantees and failsafe commissioning.

To meet these challenges, you need a full range of LAN cabling possibilities!

... is at the very core of Nexans solutions

Nexans, worldwide leader in the cable industry, offers a unique range of copper and fiber cables, patchcords, connectors and modular panels for modern LAN infrastructure. From basic service provided by **e-ssential** copper solutions to high-performance **LANmark copper and LANmark optical fiber solutions**. Nexans matches your LAN to your real needs. That is why Nexans is No 1 in Europe for LAN Cable, and No 2 worldwide for Cabling Solutions.

• Expertise
- R&D-driven, technological innovator
- State of the art Data Communications Competence Center in New Holland - USA
- 1st to launch Cat 6 compliant cables and connectivity
- Inventor of Cat 7 connectivity in backward compatible RJ45
- Developer of international standards

• Global presence
- Local knowledge worldwide
- Special language and cultural skills
- Key Account Management (KAM) for international rollouts

• Performance
- Varied range matches best solution for customer needs
- Easy installation through efficient connectors and modular patch panels
- First time "green-light" pass for confident field testing
- All components Nexans made for fully-matched systems
- Performance headroom for improved reliability and capacity for future

• Partnership
- Co-designed with installers and end-users
- Knowledge transfer by approved Certified System Installers (CSI)
- Pre-sales and post-sales support

With a knowledge of your business requirements, a diverse range of solutions, easy installation, extensive guarantees and backed by a comprehensive support package, Nexans delivers value for money today... and lower cost-of-ownership tomorrow.

From the essential

Our e-ssential line of cables and connectors allow for a fully consistent LAN architecture that will work reliably for a long time to come, especially if all components are Nexans. The LAN system is designed and built using components which are fully compliant with international and local standards, and is backed up by an easily downloadable Link Certificate.

Imagine that you are an installer facing stiff competition, or an end-user with limited tenancy in a building. You would do well to consider this e-ssential offering which is a reliable basic LAN, offering system integrity.

e-ssential

The Nexans e-ssential range consists of screened or unscreened components and is designed to support voice and basic data applications. The structured approach ensures an easy to install, flexible and universal network.

Ideal for: short-term or temporary installations, small premises, start-up businesses, low overhead organizations

- Cost-effective solution for basic installations
- Fully-compliant Cat 5e solution
- Good quality branded products
- Low cost, high availability, easy installability
- Basic level of support
- 15 year downloadable link certificate

A diverse range of options for LAN infrastructure

To high performance LANmark Copper

Nexans offer a progressive series of LANmark copper solutions: LANmark-5 provides higher quality and more security than e-ssential. LANmark-6 delivers improved reliability for todays applications and room for growth tomorrow, representing the best possible value for money for most enterprise needs. With its revolutionary backwards compatible GG45 "2-in-1" connector, LANmark-7 represents the ultimate high speed copper performance available in the market.

All LANmark systems are backed by a full support package and comprehensive Parts and Labour warranty direct to the end user.

- Easy installation, immediate “green-light” performance, and reliability
- Most comprehensive system in the industry and full set of warranties (including labour)
- Fully-matched components produced by a single manufacturer
- Special product features, like easy sliding panels and modular connectors
- Full range of screened, unscreened links & channels, fire-performance

Since copper LANs have proven their staying power, installers appreciate a full range of copper solutions. LANmark and the Certified Systems Installer program combine products with knowledge-sharing so that installers can add their own unique skills to provide a complete package.

LANmark-5

Enhanced Category 5e cabling which can deliver reliable high speed links for most of today's applications.
Shielded versions contribute to enhanced EMC performance.

Ideal for: small businesses and administrations with limited data needs

- Short building life (< 5 years)
- Installer-friendly and familiar technology
- Suitable for applications up to 1000baseT Ethernet

LANmark-6

Nexans Category 6 system offering extra bandwidth up to 250 MHz. Using familiar UTP & F²TP cable types it is easily installed in all markets.

Ideal for: horizontal links in most enterprises where a LAN is an important business tool

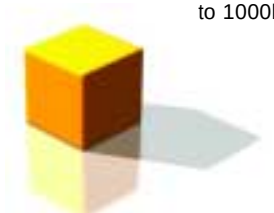
- 5-10 year building life, and improved reliability on today’s applications, compared to Cat 5e systems
- Meets tomorrow’s demands cost-effectively
- Standardised to support latest 1000baseTX Ethernet & Gigabit ATM applications

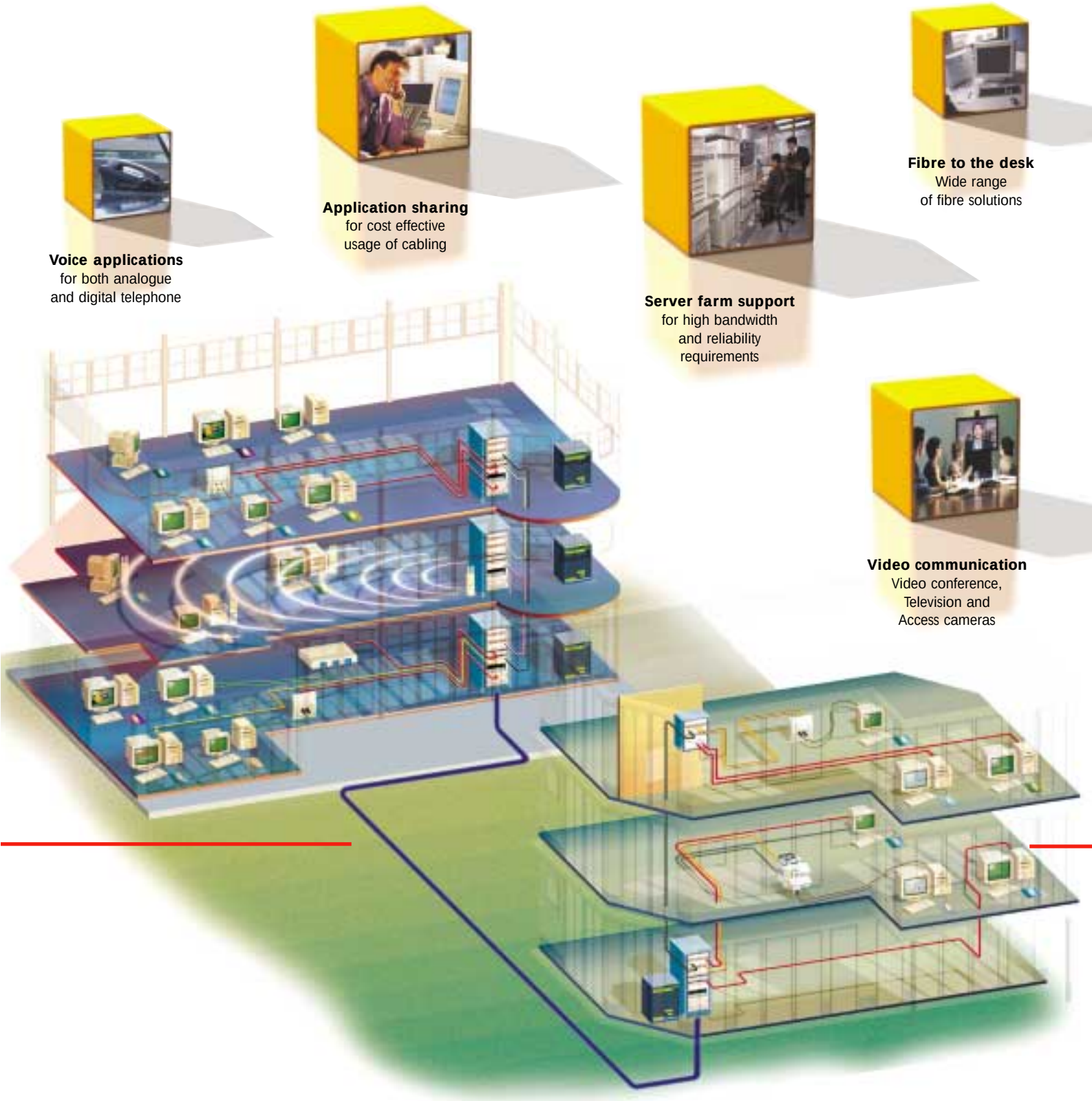
LANmark-7

A next-generation, standardized category 7 solution which delivers 600 MHz over an individually-shielded twisted pair (STP), providing capability for future 10 Gbits/s applications (equal to today’s LAN fibre backbones).

Ideal for: niche environments requiring advanced digital and anologue multimedia transmission, high security, or very long life cycle

- Very long lifetime (>15 years)
- Backward compatible with RJ45
- Simultaneous sharing of multiple applications via a single port using splitter cords
- Solid investment where re-cabling costs are prohibitive (ships, oil rigs, etc.)





Voice applications
for both analogue
and digital telephone

Application sharing
for cost effective
usage of cabling

Server farm support
for high bandwidth
and reliability
requirements

Fibre to the desk
Wide range
of fibre solutions

Video communication
Video conference,
Television and
Access cameras

Patch Panels
for termination
and connection
of Copper and
Fibre cables

Fibre Cables
for backbone
and campus
applications

Patch cords
Different lengths
of Copper & Fibre
patchcords

Copper Cables
Wide range
in UTP, F²TP,
FTP, S-FTP & STP
and multipair cables

Wall Outlets
With connectors
and structural
hardware

GG45 Connectors
The “2-in-1”
connector, backwards
compatible for RJ45,
for standardized
category 7

Cabinets
The center of
cabling network

And LANmark Fibre solutions

A full spectrum of Nexans LANmark fibre solutions are available for various performance levels and constructions, to meet different applications and environmental conditions.
Fibre is ideal for use as a "backbone" to connect floors and buildings, and for "campus" links between constellations of buildings to create a fully integrated LAN system.

- Extremely high bandwidth possibilities
- Cost effective multimode solutions take advantage of lower cost VCSEL active equipment
- End-to-end solutions, including connectors and fibre management boxes
- Impervious to electromagnetic interference (EMI) in busy environments
- Optical networks relieve “bottlenecks” in the last few hundred meters
- Better attenuation and more connections possible
- Opens the way to “fibre-to-the-desk”
- Fully integrated in LANmark warranty programme

Because many building owners and end-users have opted for optical fibre LANs to satisfy bandwidth or distance needs over an extended period, Nexans provides installers with four levels of quality optical fibre.

LANmark-OF 1

Standard 62.5/125 multimode fibre. Delivers 1Gbit/s over 275 m*

LANmark-OF 2

Standard 50/125 multimode fibre. Delivers 1Gbit/s over 550 m*

Ideal for: collapsed backbone, backbone and medium-sized campus links

- Installer-friendly and familiar technology
- Recommended as best value-for-money for today’s and tomorrow’s networks

* at 850nm

LANmark-OF 1xt

Enhanced 62.5/125 fibre. Delivers 1Gbit/s up to 600 m*

LANmark-OF 2xt

Enhanced 50/125 fibre. Delivers 1Gbit/s up to 800 m*

Ideal for: extended distance needs in collapsed backbone, backbone and campus links

- 10-year building life
- Extended distance support through laser optimized fibres

LANmark-OF 3

This state-of-the-art, high bandwidth 50/125 optical fibre cable delivers 1 Gbit/s over 800 meters and 10 Gbit/s over 300 meters.

Ideal for: enterprise looking for optimum lifetime and support for 10 Gigabit applications.

- Optimum lifetime (>15 years)
- Enables cost savings using lower cost active equipment
- advanced features and high bandwidth generate long-term network savings

LANmark-OF sm

The singlemode fibre range supports very high bandwidth requirements and distances of up to 10 km for 10 Gbit/s.

Ideal for: sites which have long distances between buildings, campuses, large airports

- Increased capacity because of higher bandwidth
- Longer the distance, more economical it becomes

Global expert in cables and cabling systems

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