

Nexans range of fire-safety cables meets today's and tomorrow's challenges

- **Nexans is a major player**

 - €4.8 billion global expert
 - Strong presence in residential, public and office and industrial building market
- **Advanced research facilities for next generation fire-resistant materials**

 - Innovators in halogen-free solutions and standards (including CPD)
- **Service, Support, Logistics**

 - Fast reliable UK logistics platform
 - Technical support
- **Nexans is the expert in fire safety cabling**
- **Complete Range**

 - **ALSECURE® NX100, 200, 200 PLUS, 400**
 - Wide choice of core count and conductor sizes
- **Easy Installation**

 - No extra tapes to remove
 - Easy to strip
 - User friendly: retains memory
- **Independent Accreditations**

 - BASEC/LCPB



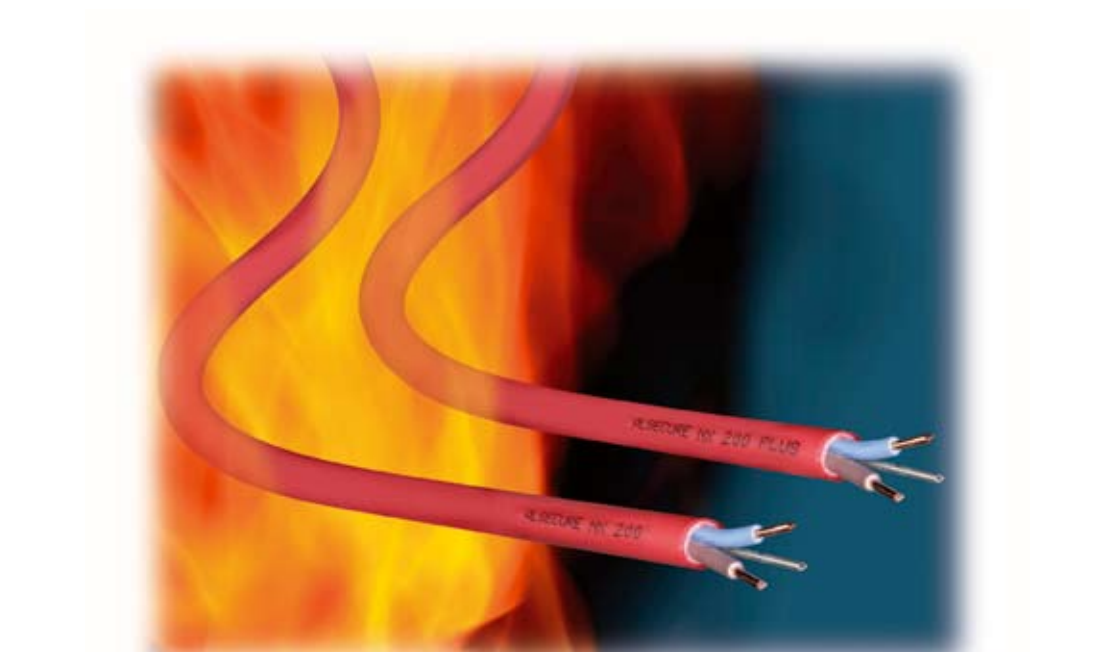
Global expert in cables and cabling systems

Nexans is the worldwide leader in the cable industry. The Group brings an extensive range of advanced copper and optical fiber cable solutions to the infrastructure, industry and building markets. Nexans cables and cabling systems can be found in every area of people's lives, from telecommunications and energy networks, to building, aeronautics, aerospace, automobile, railways, petrochemical, medical applications, etc. With an industrial presence in 29 countries and commercial activities throughout the world, Nexans employs 20,000 people and had sales in 2004 of 4.8 billion euros. Nexans is listed on the Paris stock exchange.



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ALSECURE® NX Fire Resistant cables
Built to take the heat

Fire safety begins with cables

Cables represent less than 0.5 percent of a building's cost. Nevertheless, they can play an important role in ensuring public safety, protecting vital infrastructure, and allowing efficient evacuation and fire-fighting. Tragic fires in Düsseldorf airport, London's King's Cross underground, Moscow University, the Mont Blanc Tunnel, and the Kaprun funicular railway in Austria dramatically highlighted the devastating effects of fire and smoke propagation. Unsafe cabling may also carry flames, fumes and gases at high velocity far beyond the fire area.

- Cables are the key to fire protection:**
- by supporting detection and warning systems
 - by supplying vital energy for emergency lighting, elevators, smoke extractors and fire-fighting equipment.



Construction Products Directive (CPD): protecting the public while harmonizing the construction market

Half of the world's 6 billion people now live in cities, making public safety and shared international standards a top priority. The construction sector is the largest single economic activity in Europe and the

leading employer, providing some 35 million jobs. To meet the public demand for greater safety and remove technical barriers to trade, the European Commission is drawing up the Construction Products Directive (CPD). Cables will soon have to meet new levels of performance in terms of **reaction and resistance to fire.**

In order to meet this challenge Nexans has developed the ALSECURE® LSZH Fire Reaction cables and ALSECURE® NX Fire-Resistant cables.



ALSECURE® protects lives and buildings

Standard PVC (Polyvinyl Chloride) cables provide acceptable thermal behavior for low-risk buildings. They are still widely used in construction. In the event of fire, their chloride content is released as a gas which can burn lungs and corrode concrete and metals. Dense smoke can hamper rescue operations. However, **ALSECURE®** provides a far higher level of protection.

ALSECURE® Fire-Reaction cables

Reaction to fire relates to a cable's performance in terms of low combustibility and ignitability so as to minimize the growth and spread of a fire. Nexans **ALSECURE®** Halogen-Free, Flame Retardant (HFFR) cables not only delay combustion, they

also produce little corrosive gas, carbon monoxide, or dense/opaque smoke.

- Benefits:**
- *gain precious time for evacuation and fire-fighting*
 - *reduce opaque smoke and gases, the prime cause of fire-related deaths*
 - *safeguard equipment and structural elements.*

ALSECURE® NX Fire-Resistant cables

According to the CPD, fire resistance is expressed in terms of performance over time. Cables are classified according to how long they can continue to operate during a fire. Nexans **ALSECURE® NX100, NX200, NX200 PLUS, NX400** Fire-Resistant cables ensure that safety systems such as Fire detection, Emergency lighting, Voice alarm, Public address, Smoke evacuation... keep operating during the evacuation and fire-fighting period.

- Benefits:**
- *enhance infrastructure to handle high-risk environments*
 - *meet extreme fire conditions over an extended period*
 - *fulfill the most stringent national requirements.*

All ALSECURE® NX Fire-Resistant cables are also Halogen-Free Flame-Retardant... providing double protection!



ALSECURE® NX200 PLUS

Easy install cables on easy carry reels which are **easily identifiable** and **easily recyclable**



ALSECURE® NX200

Fire-Resistant ALSECURE® NX100

- Singlecore fire cables for conduit applications
- Compliant with BS6387 CWZ

ALSECURE® NX200

- For use on all properties where evacuation period is required
- Compliant with BS5839-8434 part 1, PH30

ALSECURE® NX200 PLUS

- Enhanced cables where phased evacuation is required (e.g. hospitals, schools and high rise buildings)
- Compliant with BS5839-8434 part 2, PH120

ALSECURE® NX400

- Armoured fire-resistant mains cables
- Suitable for powering critical equipment such as emergency generators, lifts, fire dampers
- Compliant with BS6387 CWZ – BS7846; SS299 CWZ

We also supply a range of fire-resistant telecom and data cables for emergency fire telephones, Building Management Systems, fire system networks.

Fire-Reaction LSZH fire-reaction cables such as BS6729