



**Press release**

INTERNATIONAL PARIS AIR SHOW  
LE BOURGET, 20-26 June 2011  
Hall 2B – Booth EF190

## **Nexans aviation cables meet the data transmission challenges of new generation aircraft**

*The growing demand from aircraft manufacturers for enhanced data transmission capacity presents a major challenge for their onboard cabling systems. Nexans has responded by adopting innovative approaches to design and manufacture to develop reliable and weight-saving aviation cable solutions.*

**Paris, June 20, 2011** – Nexans, a worldwide leading expert in the cable industry, is showcasing its latest state-of-the-art data transmission cables developed to meet the ever increasing demand from aircraft manufacturers for enhanced data handling capacity. New data-hungry passenger services such as video on demand, internet connectivity and gaming on new generation aircraft now require more sophisticated onboard communications networks. Space and weight considerations make it difficult to install more cables to carry the increased volume of data. Nexans has therefore responded to this challenge by developing new higher-capacity cables featuring optimized conductors, shielding and armouring. This innovative approach offers the twin benefits of enabling more data to be carried within the same installation footprint as well as helping to reduce the cable weight by 20 to 60 percent against conventional cables of comparable performance.

In addition to the new data cables, visitors to Booth EF190 in Hall 2B will also be able to see Nexans' comprehensive range of cable solutions for virtually any aviation application – from aircraft electrical power and control systems to airfield lighting and right through to passenger terminal infrastructure.

### **New aviation data cables**

The new data cables on show at Le Bourget include the WX 26 databus cable for CAN BUS applications and the KL 24 quad Ethernet cable for high-speed data transmission at 100 Mbit/s and in-flight entertainment applications. Three new coaxial cables are also on show: KX for high frequency connections, WZ for signal transmission applications and KW featuring an aluminum conductor for installations where weight saving is the primary consideration.

To meet the demand for the new aviation data cables, Nexans has established ISO certified production facilities in France, the USA and Morocco providing a 40 percent increase in production capacity. These specialized facilities are able to provide a fast

response to customer needs, especially when a customized cable needs to be designed and manufactured to suit a specific technical requirement.

### **Total solutions approach**

Nexans offers a unique total solutions approach that enabled it to establish a position as a key cable system supplier for aircraft OEMs throughout the world. This means that in addition to the design, manufacture and supply of the cables, Nexans is able to provide comprehensive engineering development support, supply chain and inventory management, customized packaging, cables pre-cut to length, guaranteed express delivery and recycling of used materials. In addition Nexans is a major player for the new generation of SMOOTH cables acc. the new standard AS22759/180-192. Nexans is the first cable maker approved for these new standards which increase the mechanical performances (abrasion for example) the marketability (UV laser marking) and wet arc tracking characteristics. This composite cable is the ultimate range widely used in military fighters.

### **About Nexans**

With energy as the basis of its development, Nexans, worldwide leading expert 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, automotives, electronics, aeronautics, material handling and automation. Nexans is a responsible industrial company that regards sustainable development as integral to its global and operational strategy. Continuous innovation in products, solutions and services, employee development and engagement, and the introduction of safe industrial processes with limited environmental impact are among the key initiatives that place Nexans at the core of a sustainable future. With an industrial presence in 40 countries and commercial activities worldwide, Nexans employs 23,700 people and had sales in 2010 of more than 6 billion euros. Nexans is listed on NYSE Euronext Paris, compartment A.

For more information, please consult [www.nexans.com](http://www.nexans.com) or <http://www.nexans.mobi>

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