



**Press release**

## **Nexans: Global Expert in Aeronautics**

*Nexans at the 46th International Paris Air Show in Le Bourget (France)  
Hall 3, Booth F5*

**Paris, June 9, 2005** – Nexans, the worldwide leader in the cable industry, is proud to exhibit the industry's most comprehensive range of aeronautic cables at the 46<sup>th</sup> International Paris Air Show in Le Bourget (France). Nexans covers all aeronautic applications from high temperature cables to data bus cables to low loss coaxial cables for onboard entertainment systems and fire-resistant wiring cables.

### **Three priorities for aeronautic cables: weight reduction, safety, and multimedia**

- **Weight reduction** is a priority for today's aircraft manufacturers. Therefore there is a trend to use smaller components and lighter media such as fiber optic or aluminum. For example, Nexans has developed next-generation aluminum cables for the Airbus A380 airliner. 35 percent lighter than copper cables, these aluminum cables are used in the pressurized area of the aircraft to supply low voltage power (for lighting, onboard services...).
- **Safety** is another development area for cable manufacturers who provide cables capable of resisting to ever-increasing temperatures and thermal shocks. Fire-resistant cables can endure temperatures up to 350°C (662°F) for 400 hours in the hottest engine areas during take-off and landing. Similarly, fire-detecting cables can operate at over 300°C (572°F) for more than 20,000 hours.
- In order to improve passenger comfort, **new onboard multimedia technologies** have also become a priority for airlines. Nexans has developed a comprehensive range of broadband data bus cables for next-generation aircrafts equipped with systems for video on demand, Internet connectivity, video games, etc.

### **Global portfolio and presence**

Over the years Nexans acquired expertise, both in North America and Europe, in such various technologies as PTFE or thermoplastic extruded cables, ribbon cables and irradiated cables.

In the field of aeronautic cables, Nexans leverages its manufacturing plants in Draveil (France) and Elm City (United States).

### **Civilian and defense customers**

Nexans' aeronautic cables are used by nearly all civilian and military aircraft manufacturers (Airbus, Boeing, Dassault, Eurocopter, Lockheed Martin, etc.) as well as engine, harness and avionics manufacturers.

Nexans has supplied wires and cables for the entire space shuttle fleet. More than 90 percent of the wires and cables for the National Aeronautics and Space Administration (NASA) Mars Exploration Rovers, Spirit and Opportunity, were manufactured by Nexans, providing the spacecrafts with power, control and signal functionalities.

As specialists in spatial cables, Nexans has produced electrical wires and cables for scientific mission satellites (Spot5, Jason, IASI, Mars Express), and telecommunications satellites (Globalstar, Express A and A1R, Hispasat, New Bird, Stellan and GE2i).

### **About Nexans**

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 aeronautics, aerospace, automobile, railways, building, petrochemical, medical applications, etc. With an industrial presence in 29 countries and commercial activities in 65 countries, Nexans employs 20,000 people and had sales in 2004 of euros 4.9 billion. Nexans is listed on the Paris stock exchange. More information on [www.nexans.com](http://www.nexans.com)

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