



**Press release**

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## **Nexans to present flexible energy and control cables for crane applications at TOC Europe 2007**

*Cable solutions for spreader applications with integrated bus cables  
or tensile strength measurement*

**Mönchengladbach, 22 May 2007** – At TOC Europe 2007 (the leading Terminal Operations Conference and trade fair), Nexans is presenting crane cable solutions for spreader, reeling and festoon applications. Nexans' range of materials handling cables is designed specifically for the extreme mechanical and dynamic requirements of crane applications. For example, reeling and spreader cables are optimized to offer reduced outer dimensions, lower weight and increased tensile load. This enables the complete reeling system to be cheaper, more effective and better suited for modern high-end crane applications.

In addition to the cable solutions, Nexans is also presenting two new control cables for drum spreader applications. The first of these new products has an integrated bus system, the second one is able to measure the tensile load during operation. Further, Nexans is also exhibiting a modified basket spreader cable.

### **High-tech for STS-cranes: cable with integrated bus system**

There is an ever increasing demand for data transfer between the crane and the port control centre. In order to this requirement, Nexans has developed a new control cable, RHEYCORD(RTS) SPREADER-BUS, that features an integrated bus system without increasing the overall diameter of the cable. This enables this cable to be used in existing spreader drums for maintenance.

### **Changing resistance of sensor cores provides tensile load information**

Nexans' second new spreader cable, RHEYCORD(RTS) SPREADER-DSC, features two integrated two sensor cores in addition to the control cores. The electrical resistance of the sensor cores changes according to the changing load on the cable, and this change is measured to provide information about the tensile load in the cable. This new approach makes it possible to measure the tensile load in a spreader cable

during operation without stopping. Moreover, the external dimensions of cable enable it to be used in existing spreader drums.

In order to ensure durability in the extreme conditions found in high-end port applications Nexans has established a Handling Application Center, located in Lyon/ France. This new test facility is unique in the world and makes it possible to test all cable requirements in crane applications such as torsion, traction, bending and flexibility in real-time simulations.



Picture :

High-tech solutions for increased productivity: the drum spreader cables from Nexans are designed to meet the mechanical and dynamic requirements of the latest crane generations.

### **About Nexans Germany**

Nexans Germany is one of the leading cable manufacturers in Europe. The company is offering an extensive range of high performance cables, systems, and components for the telecommunications and energy sectors, rounded off by superconducting materials and components, Cryoflex transfer systems and special machinery for the cable industry. Producing at manufacturing plants with 3.000 employees in Germany and abroad, the sales in 2005 amounts to approx. 767 Mio Euro. The full integration into the Nexans Group Nexans Germany also benefits from excellent opportunities to use the available synergies in all corporate fields, which not only applies to worldwide projects but also to research and development, the exchange of know how, and to other areas. More information on [www.nexans.de](http://www.nexans.de)

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