

COMPLETE, INNOVATIVE
AND RELIABLE CABLE SOLUTIONS
FOR MATERIAL HANDLING SYSTEMS





MATERIAL HANDLING SYSTEMS: A HEAVYWEIGHT IN THE WORLD ECONOMY

“Time is money” is especially true of the material handling industry, which covers the movement, storage, control and production of materials and products. It is worth countless billions of Euros worldwide. Nearly all other industries depend on it: construction, agriculture, power utilities and heavy industries.

Material handling systems used on container and bulk terminals all over the world do include for example:

- Ship-To-Shore Cranes (STS)
- High-tech Automatic Stacking Cranes (ASCs)
- Rail Mounted Gantry Cranes (RMGs)
- Rubber Tyred Gantry Cranes (RTGs / e-RTGs)
- Stacker/reclaimer
- Ship loader/unloader

Nexans expertise:

- Well established range of high quality cables for state-of-the-art material handling systems
- Products suitable for high moving speed and acceleration
- Customised hybrid cables, including control/monitoring cores and optical fiber
- Joint product development with specialized system integrators, OEMs and operators
- Design and engineering support
- Conformity to all major international standards
- Further added value services, e.g.: certified cable recycling





NEXANS SAVES OPERATING EXPENSES THROUGH REDUCED

FESTOON APPLICATIONS



RHEYFESTOON® Heavy duty low voltage rubber round cables

Our RHEYFESTOON® products are available as energy or control cables. The very high flexibility makes it the perfect solution state-of-the-art festoon systems up to 240 m/min.

RHEYCORD®OFE MZ Heavy duty rubber optical fiber cable

This EMI resistant cable is to be used for data transmission in non-reeling applications and available in multi- and single-mode versions.

REELING APPLICATIONS



RHEYCORD®(RTS) (N)SHTOEU-J Heavy duty rubber reeling cables ≤ 1 kV

Our low voltage energy cables can be produced with optical fibers and control cores. Those are meant to be used for motorized and/or spring reels. RHEYCORD®(RTS) can be used for reeling application up to 240 m/min. Tailor-made designs can be offered on request.

BUFLEX®-R Low voltage TPU reeling cables

BUFLEX®-R operates as energy or control cable. Those are meant to be used for motorized and/or spring reels in non-re-directed reeling application up to 120 m/min.

RHEYFIRM®(RTS) R-(N)TS... Heavy duty rubber reeling cables > 1 kV

Our medium voltage energy cables can be produced with optical fibers and control cores. Available up to 35 kV these reeling cables are used for different applications in the container and bulk material handling segment. The RHEYFIRM® product range is the perfect solution for all state-of-the-art reeling systems. Tailor-made designs can be offered on request.

DIAMETER AND INNOVATIVE MATERIALS



RHEYCORD®OFE R **Reeling rubber optical fiber cables**

Different to the OFE MZ, the OFE R version has anti-torsion braid so it can be used for reeling application up to 120 m/min.

RHEYFIRM®(RTS) R-(N)TSFL **Medium voltage flat reeling cables**

Our MV flat reeling cables are used on mono-spiral reels for different bulk handling equipments. This product family can be also produced as a combined version including energy, control and optical fiber elements.

SPREADER APPLICATIONS

RHEYCORD®(RTS) (N)SHTOEU-J SPREADER **Heavy duty low voltage drum** **spreader cables**

The low voltage drum spreader cable is used in cylindrical and mono-spiral high performance reeling application within the container handling segment. This product family can be also produced as a combined version including control and optical fiber elements.

RHEYCORD®-BS **Heavy duty low voltage basket** **spreader cables**

The low voltage basket spreader cable is used as a feeder cable in high performance free-fall basket application within the container handling segment. This product family can be also produced as a combined version including control and optical fiber elements.



ONSHORE POWER SUPPLY APPLICATIONS

BUFLEX®-PLUG **Heavy duty TPU cables up to 15 kV**

These power supply cables in acc. to ISO/IEC/IEEE 80005 1-2-3 are used for onshore connection of all kind of ships (container, cruise vessels and ferries). This product family can be also produced as a combined version including control and optical fiber elements.





As a global leader in advanced cabling and connectivity solutions, Nexans brings energy to life through an extensive range of best-in-class products and innovative services. For over 120 years, innovation has been the company's hallmark, enabling Nexans to drive a safer, smarter and more efficient future together with its customers.

Today, the Nexans Group is committed to facilitating energy transition and supporting the exponential growth of data by empowering its customers in four main business areas: Building & Territories (including utilities, smart grids, mobility), High Voltage & Projects (covering offshore wind farms, submarine interconnections, land high voltage), Telecom & Data (covering data transmission, telecom networks, hyperscale data centers, LAN), and Industry & Solutions (including renewables, transportation, Oil & Gas, automation, and others).

Corporate Social Responsibility is a guiding principle of Nexans' business activities and internal practices. In 2013 Nexans became the first cable provider to create a Foundation supporting sustainable initiatives bringing access to energy to disadvantaged communities worldwide. The Group's commitment to developing ethical, sustainable and high-quality cables drives its active involvement within several leading industry associations, including Europacable, The National Electrical Manufacturers Association (NEMA), International Cablemakers Federation (ICF) or CIGRE to mention a few.

Nexans employs more than 26,000 people with industrial footprint in 34 countries and commercial activities worldwide. In 2017, the Group generated 6.4 billion euros in sales. Nexans is listed on Euronext Paris, compartment A.

Nexans

Immeuble Le Vinci - 4 allée de l'Arche
92070 Paris La Défense Cedex - France
www.nexans.com/handling
marcom.info@nexans.com