

NEW EDRMAX BY NEXANS™ CABLE ENSURES FASTER AND EASIER GRID CONNECTIONS FOR RENEWABLES

Nexans has developed a new medium voltage cable suitable for installation in any type of ground conditions to provide cost effective utility grid connections.

Paris, October 12, 2016 – Nexans, in collaboration with the utility managing the majority of France's public electricity distribution network, has developed and tested a new generation of medium voltage (MV) cables for the connection of power sources to the grid. Known as EDRMAX by Nexans™, the new cable is eco-designed for a reduced environmental impact. It allows easier installation compared to the previous EDR version, particularly in challenging conditions like hard or rocky ground.

The EDRMAX by Nexans™ solution has been designed specifically to enable the grid connection of renewable energy resources such as solar panels or wind turbines. This development is an illustration of Nexans' contribution to address the growing demand for energy across the world. EDRMAX by Nexans™ is compliant with the NFC 33-226 standard. It is available in single or three-core versions, with either aluminium or copper conductor. EDRMAX™ allows a maximum permissible current in permanent service above 400 A and has a Class 2 (C2) rating for flame non-propagation performance.

A key advantage of the EDRMAX by Nexans™ design is the high mechanical strength provided by its oversheathing that enables the cable to be buried directly into the ground with no need for an additional sand layer. Furthermore, the flexibility of the cable makes it easy to handle and this combined with its high stripability with standard tools provides a faster connected cable solution.

Nexans technical teams have co-designed this new cable to meet one of the environmental impact reduction targets. It is one of the first cables to comply with Nexans' new Eco-design approach that takes account of the entire product life cycle spanning manufacture, use and end-of-life. An additional benefit of EDRMAX by Nexans™ is that the joule losses have been reduced significantly compared with the existing EDR and this contributes to a 12%¹ lower impact on global warming across the whole cable life cycle from sourcing of raw materials to recycling.

Nexans is manufacturing the EDRMAX by Nexans™ cable at its facility in Bourg en Bresse, France.

Yvan Duperray, VP for European Utilities Sales at Nexans said, *"The development of EDRMAX by Nexans™ illustrates how we aim to go above and beyond when it comes to meeting the technical challenges set by our customers. With our innovations on this product, we were able to find a solution that not only makes the grid connection of renewables faster, easier and more cost-effective, it also offers a more environmentally friendly solution."*

About Nexans

Nexans brings energy to life through an extensive range of cables and cabling solutions that deliver increased performance for our customers worldwide. Nexans' teams are committed to a partnership approach that supports customers in four main business areas: Power transmission and distribution (submarine and land), Energy resources (Oil & Gas, Mining and Renewables), Transportation (Road, Rail, Air, Sea) and Building (Commercial, Residential and Data Centers). Nexans' strategy is founded on continuous innovation in products, solutions and services, employee development, customer training and the introduction of safe, low-environmental-impact industrial processes. In 2013, Nexans became the first cable player to create a Foundation to introduce sustained initiatives for access to energy for disadvantaged communities worldwide.

¹ The result is given for one kilometer of EDR 3x240 sq. mm aluminum conductor cable with a life span of 40 years, an average usage scenario (1/4 time at 25, 50, 75 and 100% of max. intensity where max. intensity is 466A), and considering the French energy mix. The result is computed from the life cycle analysis performed in accordance with the 14040-44 standard. The life cycle stages taken into account are manufacture, transportation, installation, use and end-of-life. For the 13 environmental indicators assessed, the impact reductions are similar to those observed for climate change.

Nexans is an active member of Europacable, the European Association of Wire & Cable Manufacturers, and a signatory of the Europacable Industry Charter. The Charter expresses its members' commitment to the principles and objectives of developing ethical, sustainable and high-quality cables.

Nexans, acting for the energy transition, has an industrial presence in 40 countries, commercial activities worldwide, is employing close to 26,000 people and generating sales in 2015 of 6.2 billion euros. Nexans is listed on Euronext Paris, compartment A.

For more information, please consult: www.nexans.com

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