

NEXANS DRIVES THE TRANSITION TO HIGHER VOLTAGE WIND FARM NETWORKS

NEXANS IS PIONEERING A STEP-CHANGE IN THE RENEWABLES INDUSTRY AS WIND FARM OPERATORS SWITCH TO HIGHER VOLTAGE INTER-ARRAY NETWORKS THAT BOOST THEIR OUTPUT CAPACITY WHILE UTILISING COST-EFFECTIVE, ROBUST AND EASY TO INSTALL CABLE SYSTEMS. THE NEW 72.5 KV ACCESSORIES COMPLEMENT THE PREVIOUS DEVELOPMENT OF NEXANS' HIGH-VOLTAGE INTER-ARRAY CABLES.

Paris, June 30, 2016 – Nexans is launching a new range of cable and power accessories to meet the growing demand for higher capacity windfarms. The new generation of power accessories with F-type outer cone comprising separable T-connectors, coupling connectors and surge arresters has been developed to operate at 72.5 kV.

To transmit the increased power between each individual turbine and collection platforms efficiently, Nexans has created inter-array cable systems able to operate at 72.5 kV instead of the traditional 36 kV. Transformer and switchgear OEMs have upgraded their designs to take into account the higher voltage.

As renewable energy becomes more prevalent, economic power supply becomes more and more important. There is now a new common standard for offshore wind connection systems up to 72.5 kV.

The standardized interface between power accessories and equipment bushings is a first in the field of this voltage class. Unlike traditional connection solutions, separable, compact T-shape connectors offer many advantages. The outer cone standard allows several combinations of cable arrangements such as single connection, double connector arrangement with coupling connector, double connector arrangement with surge arrester.

All of Nexans power accessories up to 72.5 kV are type tested according to IEC 60840. Equipment bushings by EUROMOLD® are additionally type tested according to IEC 60137. Both, separable connectors and bushings are tested according to IEC 60068 successfully (solar radiation IEC 60068-2-5 and salt mist IEC 60068-2-52).

All kits of Nexans connectors, terminations and joints include conductor contacts use patented GPH® mechanical connection technology, which is type tested according IEC 61238-1. GPH® mechanical connectors and cable lugs have been in use for 25 years. They are compatible with aluminum and copper conductors of the most designs. An innovative system of patented shear-off-head bolts ensures easy installation and the stability of electrical connections.

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.

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.

We have an industrial presence in 40 countries and commercial activities worldwide, employing close to 26,000 people and generating sales in 2015 of 6.2 billion euros. Nexans is listed on Euronext Paris, compartement A.

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

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Contacts :

Press

Angéline Afanoukoe

Tel: +33 (0)1 73 23 84 12

angeline.afanoukoe@nexans.com

Investor relations

Michel Gédéon

Tel: +33 (0)1 73 23 85 31

michel.gedeon@nexans.com