

## **NEXANS INNOVATIVE MOTIONLINE® SERVO MOTOR PREMIUM 90° CABLES TAKE THE HEAT IN DEMANDING APPLICATIONS**

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### **PRESS RELEASE**

- ***MOTIONLINE® Servo Motor Premium 90° cables meet the trend in automation applications for cables capable of continuous operation at 90°C.***
- ***New cables featuring an innovative insulation material are being launched at the virtual SPS event.***

**Paris, November 24, 2020** – Nexans has extended its well established MOTIONLINE range of automation cables with a new design that ensures total reliability and long life in the harsh environments and higher temperatures that are a growing challenge in industrial installations. The MOTIONLINE Servo Motor Premium 90° cables are capable of continuous long- term operation at temperatures up to 90°C, while offering the same dynamic performance and dimensions as standard cables. They are ideally suited to fast-moving automation applications such as drag chains and machine tools.

Nexans is presenting the MOTIONLINE Servo Motor Premium 90° cables at the virtual SPS – Smart Production Solutions event, the new digital industry meeting point for the international automation industry.

More diverse industries are robotizing operations and high-performance cables continue to play a major role in this evolution. To support this evolution, Nexans offers a wide range of cable products for robotics and automation that conform to all major international safety standards.

“Standard automation cables rated for 80°C have served the automation industry well. But new generation applications require a higher temperature rating to provide a wider safety margin. Otherwise there is an increased risk of breakdowns that can result in costly losses in productivity. That was one driver for the development of our MOTIONLINE Servo Motor Premium 90° cables that provide our automation customers with enhanced reliability”, says **Andreas Rietz, Nexans Global Product Manager Automation**.

The need for the higher temperature rating results from a number of factors that occur in modern factories. First, there is the trend to replace metal connectors with smaller, over-molded plastic connectors that have poorer heat transmission. Second, connectors and cables are being installed closer together, increasing the amount of heat generated within an often-confined space. Furthermore, the increased, fast-changing frequency and voltage in the cables puts the insulation material under a continuous high stress.

The challenge for Nexans was to develop an automation cable that could withstand continuous operation at 90°C without increasing its dimensions or impacting its mechanical properties and especially dynamic performance – the capability to survive millions of bending cycles at high acceleration rates without failure. Following an extensive R&D and testing program, the answer was found by using an improved polyolefin-based insulation compound.

The MOTIONLINE Servo Motor Premium 90° cables are rated for applications up to 1000 V and are available with or without a signal pair with cross sections up to 50 mm<sup>2</sup>. They are UL approved, flame retardant (IEC 60332-1-2, UL Cable Flame, CSA, FT1), oil resistant (EN 50363-10-2, EN 60811-2-1), silicon and PVC free and conform to Reach RoHS-II and CE.

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### **About Nexans**

Nexans is a key driver for the world's transition to a more connected and sustainable energy future. For over 120 years, the Group has brought energy to life by providing customers with advanced cable technologies for power and data transmission. Today, Nexans goes beyond cables to offer customers a complete service that leverages digital technology to maximize the performance and efficiency of their

critical assets. The Group designs solutions and services along the entire value chain in three main business areas: Building & Territories (including utilities and mobility), High Voltage & Projects (covering offshore wind farms, subsea interconnections, land high voltage), and Industry & Solutions (including renewables, transportation, oil and gas, automation, and others).

Corporate Social Responsibility is a guiding principle of Nexans' business activities and internal practices. In 2013 Nexans was 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 also drives its active involvement within leading industry associations, including Europacable, the NEMA, ICF and CIGRE.

Nexans employs nearly 26,000 people with an industrial footprint in 34 countries and commercial activities worldwide. In 2019, the Group generated 6.7 billion euros in sales.

Nexans is listed on Euronext Paris, compartment A.

For more information, please visit [www.nexans.com](http://www.nexans.com)

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