



Press release

Shielded MOTIONLINE® round cable prevents data transmission errors in AS-Interface networks

At SPS IPC Drives 2012 (27 – 29 November 2012, Hall 5, Stand 5-130), Nexans is to showcase a shielded MOTIONLINE® round cable for drag chain installations and connection to flat cables.

Hanover/Nuremberg, September 19, 2012 – In the past, anyone who used an Actuator Sensor Interface but wanted to avoid direct contact between AS-i flat cables and round cables on drag chains had to use separating strips in the chain or conventional H05VV-F cables which, although easy to install, are not suitable for AS-Interface networks in terms of capacity or inductance. In practice, mismatches like these can adversely affect data transmission processes and even, in the worst case, cause system failure. The new shielded MOTIONLINE® product LI9YHC11YH (dimensions: 2 x 1.0 mm²) has been specially designed not only to offer AS-i-compatible electrical properties and do away with the need for separating strips, but also to ensure that the cable can be drawn in together with power/motor cables, particularly where space is at a premium. Compatibility is ensured thanks to the optimised capacity, surge impedance and inductance of the new round cable. The new cable is suitable for M circular connectors, which offer a maximum outlet size at the rear for 8-mm cables.

This new, shielded round cable is halogen-free, flame-resistant and cULus 21198/10493-certified. It is currently available in the following cross-sections: 2 x 1.0 mm² (shielded) and 2 x 1.5 mm² (unshielded). The MOTIONLINE® cable portfolio from Nexans also includes unshielded AS-i shaped cables in the dimensions 2 x 1.5 mm² and 2 x 2.5 mm², and with rubber, TPE or PUR insulation. A special feature of the Nexans TPE solution is that it is based on genuine TPE Santoprene and not on PVC compounds with additives.

Nexans' current portfolio of AS-i cables:

Dimensions	Shaped cable		Round cable	
	2 x 1.5 mm ²	2 x 2.5 mm ²	2 x 1.5 mm ² (unshielded)	2 x 1.0 mm ² (shielded)
Rubber sheath	X	X	-	-
PUR sheath	X (UL 20549)	X (UL 21866)	X (UL 21198)	X (UL 21198)
TPE sheath	X*	X*	-	-



Slim-line solution: With dimensions of just 2 x 1.0 mm², the new MOTIONLINE® round cable can be rapidly laid with other round cables, making installation much easier. (Photo: Nexans)

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 8.560 employees in Germany and abroad, the sales in 2011 amounts to approx. 940 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

Press contact

Nexans Deutschland GmbH
Jutta van Bühl
Bonnenbroicher Straße 2-14
41238 Mönchengladbach
Telefon: +49 (0)2166 27-2495
Fax: +49 (0)2166 27-2497
E-Mail: Jutta.van_Buehl@nexans.com
Internet: www.nexans.de

Press'n'Relations II GmbH
Ralf Dunker
Gräfstraße 66
81241 München
Telefon: +49 (0)89 5404 722-11
Fax: +49 (0)89 5404 722-29
E-Mail: du@press-n-relations.de
Internet: www.press-n-relations.de