



Press release

**Intersolar 2010
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Nexans launches KEYLIOS™ branded cable solutions and services for connecting photovoltaic installations

Munich, June 9, 2010 – Nexans, the worldwide leader in the cable industry, is at Intersolar 2010 to launch its comprehensive new KEYLIOS™ branded range of cables, solutions and services for photovoltaic (PV) installations. Visitors to Stand 178 in Hall C4 will see how the KEYLIOS™ brand offers a total connection approach for PV projects, with every high-quality element fully compatible and interoperable to ensure maximum performance, availability, safety and long service life.

The KEYLIOS™ range covers every type of cable needed for a residential, commercial or solar farm PV installation. However, the comprehensive KEYLIOS™ approach also adds a number of essential services for developers and operators of PV projects: from monitoring and control services through Intelligent Internet Gateways to Life Cycle Assessment (LCA) and simulation.

KEYLIOS™ cables

A key element in the KEYLIOS™ range is the state-of-the-art 0.6 to 1kV ENERGYFLEX® cables, with cross-linked polyolefin insulation, designed to link PV panels on rooftop or in solar fields and also connect them to the array box or inverter. Resistant to extreme temperatures (-40°C to +120°C), ozone and UV, these zero-halogen cables are low-smoke and flame-retardant for enhanced fire security. Both UL and TÜV-certified, they fit main connectors, are color-striped for easy installation and phase identification, meet RoHS directives, and are fully recyclable. ENERGYFLEX® cables are also available with E-beam cross linked technology with TÜV approval, in order to respond to all needs of our customers.

Nexans therefore is the single cable supplier on the market able to provide the market with a dual offer in line with the demand.

Other KEYLIOS™ cables include low voltage copper or aluminum cables that provide reliable, durable links between array boxes and inverters as well as flexible silicone cables that can carry up to 15 kV in the challenging conditions found in desert or cold environments, and earth/ground cables for protection against short circuits and fires.

The KEYLIOS™ range also features several solutions (including accessories) for reliable inverter-transformer-switchgear connections as well as special cabinets for network feed-ins.

To ensure reliable high data transmission capacity for backbones (from solar farms to remote control centres) or for LAN monitoring and control, the KEYLIOS™ range offers copper and fibre-optic solutions for surveillance and control including sensor and bus cables.

KEYLIOS™ active switch systems for communication and monitoring

KEYLIOS™ small and rugged iSwitch systems combine fibre-optic and copper ports to exchange data with and provide Power over Ethernet (POE) to distributed IP surveillance cameras, WLAN access points, VoIP phones or multifunctional terminals. These switches can also be used for control and monitoring applications, and have inbuilt fibre-optic/copper cable diagnostic functionalities.

KEYLIOS™ monitoring and control services

KEYLIOS™ Intelligent Internet Gateways enable power utilities to collect and analyze data on their PV installations by gathering information from inverters, smart meters and weather sensors. This can help optimize exploitation, support maintenance services and monitor power output in real time.

KEYLIOS™ Life Cycle Assessment (LCA) services

KEYLIOS™ LCA services evaluate the environmental impact of any cable through the cycle of production, distribution, installation, use, and recycling. This allows OEMs and solar farm designers to compare cables used in terms of environmental impact to arrive at an informed choice about the best solution.

KEYLIOS™ simulation services

KEYLIOS™ simulation services can help developers to identify the ideal solar farm architecture and the right cables using various computer modeling to improve reliability, reduce losses, increase safety and improve power flow.

About Nexans

With energy as the basis of its development, Nexans, the worldwide leader in the cable industry, offers an extensive range of cables and cabling systems. The Group is a global player in the infrastructure, industry, building and Local Area Network markets. Nexans addresses a series of market segments: from energy, transport and telecom networks to shipbuilding, oil and gas, nuclear power, automotives, electronics, aeronautics, material handling and automation.

Nexans is a responsible industrial company that regards sustainable development as integral to its global and operational strategy. Continuous innovation in products, solutions and services, employee development and engagement, and the introduction of safe industrial processes with limited environmental impact are among the key initiatives that place Nexans at the core of a sustainable future.

With an industrial presence in 39 countries and commercial activities worldwide, Nexans employs 22,700 people and had sales in 2009 of 5 billion euros. Nexans is listed on NYSE Euronext Paris, compartment A. For more information, please consult www.nexans.com

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