

**Press Release**  
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NKT A/S  
Amerika Plads 29  
2100 Copenhagen  
Denmark

T: +45 43 48 20 00  
www.nkt.com  
CVR 62725214

## NKT launches IEEE-qualified medium voltage splice for the North American market

**NKT, a leading European manufacturer of power cable systems and accessories, is strengthening its presence in North America with the launch of JCSI-35, an IEEE-qualified, all-in-one medium-voltage cold-shrink splice. Designed to deliver high reliability, electrical integrity and long-term service life, the solution is engineered to perform under demanding operating conditions across the United States and Canada. The launch marks an important step in NKT's regional expansion, building on its established role as a supplier to major infrastructure projects, including the Champlain Hudson Power Express.**

For more than a century, NKT has played a central role in the electrification of Europe, supporting the development and strengthening of power grids with high-quality cable systems and accessories. In recent years, the company has also contributed to the energy transition in the United States, serving as a key supplier to large-scale infrastructure projects such as the Champlain Hudson Power Express.

With the launch of JCSI-35 – an all-in-one medium-voltage cold-shrink splice - NKT is broadening its product offering to meet growing demand from distribution system operators in the United States and Canada.

- The expansion reflects our ambition to support reliable and resilient power grids in North America, drawing on our longstanding engineering expertise and proven international track record in demanding grid environments, says Aman Sapra, VP and head of sales at NKT's division for power cable accessories.

### **Reliable and quality performance is key**

Designed specifically for the requirements of the North American market, JCSI-35 is qualified to IEEE 404 and is suitable for 15 kV, 28 kV and 35 kV applications. It combines best-in-class components trusted across the industry with NKT's own design and material enhancements to ensure reliable electrical performance and long service life under demanding grid conditions.

- North American utilities require accessories that are proven, reliable and capable of passing stringent testing regimes. With JCSI-35, we are bringing an IEEE-qualified splice to market that is designed to perform consistently in real-world conditions, says Aman Sapra.

Reliability is central to the design of JCSI-35. The splice has passed IEEE 404 testing, demonstrating its ability to withstand real-world electrical and environmental stresses, including partial discharge testing.

A key contributor to this reliability is the integrated shear-bolt connector, which is tested to ANSI C119.4 Class C. The connector ensures precise torque application, delivering a secure and consistent electrical connection while reducing installation errors and enhancing operational safety.

### **Engineered silicone body**

A central element of JCSI-35's reliability is its engineered silicone body, designed to ensure long-term mechanical and electrical stability.

The splice body is manufactured from an extra-high tear strength silicone material, allowing controlled expansion during installation without splitting. The material provides high dielectric strength, reliable low-temperature recovery and consistent performance throughout the

product's service life. A thicker cross-section at critical points reduces surface stress, further enhancing durability under demanding grid conditions.

- The silicone body is fundamental to the long-term performance of a splice. By combining a high-tear-strength material with a robust design, we ensure stable electrical performance and reliability over time, says Aman Sapra.

To address another key failure mode in the market, JCSI-35 features a robust internal and external sealing system designed to prevent moisture ingress and maintain long-term insulation integrity.

### **Supporting utilities and partners in North America**

JCSI-35 is aimed at distribution system operators, installers and distributors across the United States and Canada, where demand for IEEE-qualified, cold-applied accessories continues to grow. NKT supports the launch with local sales expertise.

- With this launch, we are laying the foundation for a broader medium-voltage accessory portfolio in North America. Other IEEE qualified accessories will follow as they become ready for sale, enabling us to support utilities and their partners with reliable solutions across the cable system, says Aman Sapra.

### **About NKT**

NKT connects a greener world with high-quality power cable technology and plays a key role as the world moves towards clean energy. NKT designs, manufactures and installs low-, medium- and high-voltage power cable solutions enabling reliable transmission of energy.

Since 1891, NKT has innovated the power cable technology, building the infrastructure from the first light bulbs to the megawatts created by renewable energy today. NKT is headquartered in Denmark, operates from more than 30 locations worldwide, and employs 6,500 people globally. NKT is listed on Nasdaq Copenhagen and realised a revenue of EUR 3.6 billion in 2025. NKT - We connect a greener world. [www.NKT.com](http://www.NKT.com).

### **About NKT and the Champlain Hudson Power Express (CHPE)**

CPHE is one of the largest infrastructure projects in the US. The interconnector will enable the transmission of sustainable hydropower from Quebec to New York City. Once operational, the hydropower from Canada will supply up to 20% of New York City's electricity - enough to deliver renewable energy and more secure electrification for over one million homes in the city. NKT is responsible for the engineering, manufacturing, and installation of the high-voltage 400 kV DC transmission line. The cable system has a capacity of 1,250 MW including splices and terminations and runs approximately 339 miles.

### **Contact**

Christoffer Hellmann, Head of Media Relations & Lead Communications Advisor  
+45 2529 1784 / [Christoffer.hellmann@nkt.com](mailto:Christoffer.hellmann@nkt.com)

For product or sales related questions please contact:

Miguel Contreras, Product Manager, Americas  
[miguel.contreras@nkt.com](mailto:miguel.contreras@nkt.com)