



## PRESS RELEASE

### **Berk-Tek's Entire Outside Plant (OSP) LAN Copper Cable Portfolio Third-Party Tested by UL to Meet ANSI/ICEA S-107-704-2012 Test Requirements**

**New Holland, PA – July 24, 2018** – Berk-Tek, a Nexans Company and leading manufacturer of network infrastructure solutions, announces that all OSP copper products manufactured by the company have been third-party tested by UL to meet the stringent ANSI/ICEA S-107-704-2012 water penetration test requirements.

The ANSI/ICEA S-107-704-2012 test can be best described as one meter of cable connected via a valve to the bottom of a one-meter-high vertical PVC tube filled with water. The valve is opened and the cable under test must withstand the water pressure from passing through the cable for one hour. If water emerges from the opposite side of the cable within the hour, then the product fails. If this happens, then a second, one-meter cable sample can be cut from the same reel and the test repeated. If the second sample fails, then the product fails the test requirement.

This test is very important because it illustrates what can happen if water penetrates the cable jacket or enters through one of the cable ends and is wicked up through the cable into the electronic equipment. *"This is exactly why Berk-Tek adds a flooding compound inside every OSP cable to prevent the water from wicking through the cable."* states **Brian Simmons, Berk-Tek Product Manager**. If water does wick through the cable, it can be at worst a potential safety issue, and at best a very expensive lesson if equipment needs to be replaced.

Berk-Tek only provides its customers with OSP copper cables that have flooding compound and have been third-party tested by UL to meet ANSI/ICEA S-107-704-2012 test requirements. *"Some competitive designs take a different approach and offer flame rated indoor/outdoor cable with no water blocking compound added and therefore can't meet ANSI/ICEA S-107-704-2012 test requirements,"* notes Simmons.

By eliminating the water blocking compound, the competitive designs have a better chance of meeting indoor smoke and flame requirements, and therefore will not require a transition point. While this does provide cost savings to the installer, the problem with this approach is that it assumes the cable jacket will never fail and that water will never seep through one of the ends. Additionally, these cables are very expensive to produce, which often negates the savings gained by not needing an outdoor-to-indoor transition point.

Berk-Tek provides a complete line of copper OSP cables including Category 5e, Category 6 and Category 6A. All are third-party tested by UL to meet the ANSI/ICEA S-107-704-2012 test requirements.

For more information on Berk-Tek's full line of OSP copper cables, visit their website at [www.berktek.com](http://www.berktek.com).



**About Berk-Tek, A Nexans Company**

*Berk-Tek is a premier manufacturer of more than 100 different network infrastructure solutions. For more than 50 years, Berk-Tek has led the industry in the development of high-performance and enhanced fiber optic and copper cables designed to transport high-speed data, voice and power transmissions. Berk-Tek's world-class research and development teams are dedicated to developing innovative structured cabling solutions that are critically important to managing the demands of today's emerging technologies. Berk-Tek has manufacturing facilities in New Holland, PA and Fuquay-Varina, NC. For more information, visit [www.berktek.com](http://www.berktek.com).*

**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.*

*Nexans, acting for the energy transition, has an industrial presence in 40 countries, commercial activities worldwide, is employing close to 26,000 people and generating sales in 2016 of 5.8 billion euros. Nexans is listed on Euronext Paris, compartment A. For more information, please visit [www.nexans.com](http://www.nexans.com).*

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