

GENSPEED® 10 MTP™ IDENTIFIED AS KEY TECHNOLOGY SOLUTION FOR OPTIMAL PATIENT CARE AT UC DAVIS HEALTH

Highland Heights, Ky., July 8, 2021 – The University of California Davis (UC Davis) Medical Center, one of the largest healthcare systems in the United States, has become a leader in driving patient treatment and care through the use of technology. Like other healthcare facilities, UC Davis must rely heavily on their IT infrastructure to manage the wealth of patient data and medical records in an optimal, efficient, and secure fashion.

With the rapidly expanding role of technology in healthcare, UC Davis Health tasked Panduit and Prysmian Group for a solution that would meet the growing demand for wireless connectivity and an “always-on” infrastructure to support its hospital facilities. Additionally, the hospital sought to enhance its facility operations through data. With more than 100 buildings in the healthcare system, the hospital wanted to collect the right data at the right points. With the goal of optimizing their operations, this would allow them to improve patient flows, track medical equipment, improve staffing, and more. Panduit’s and Prysmian Group’s “PanGen Solution” produces mission-critical products that are essential in providing data to these crucial infrastructures and has contributed to hundreds of projects that meet the growing demand to support Wi-Fi applications and Power over Ethernet, while also staying current with standards, advancements, codes and hospital policy changes.

As part of the PanGen Solution, UC Davis has turned to Prysmian’s GenSPEED® 10 MTP™ cables to handle high-speed requirements for data communications. GenSPEED® 10 MTP™ innovative 5th Generation (Gen 5) design provides guaranteed performance using the industry’s smallest 6A cable. The Gen 5 revolutionary design was developed to find the perfect blend of product performance and product size, features a record-breaking 0.230” overall diameter and provides superior alien crosstalk protection and EMI Immunity. From the Panduit side the solution encompassed a wide breadth of Category 6A connectivity products which included jacks, patch cords, patch panels, and plugs throughout the channel ensuring reliable 10GBASE-T performance. This 10GBASE-T infrastructure ensures that UC Davis will be able to meet its needs for all future Internet of Things (IoT) devices as facilities are built or renovated.

Today, UC Davis systems are built on Prysmian’s GenSPEED® 10 MTP™ Category 6A Cable, which not only accommodates PoE++ and the latest Wi-Fi technology, but it’s improved design with a groundbreaking small diameter, lighter weight and increased flexibility translates to simplified cable handling and optimized cable management. Therefore, resulting in more cable in existing conduit and trays which lowers overall project costs.

UC Davis’ technology upgrades have garnered national awards and accolades for their performance in which Panduit and Prysmian Group are proud to have contributed with best-in-class PanGen Structured Cabling Solutions. U.S. News & World Report recently ranked UC Davis as one of the nation’s best hospitals in ten adult medical specialties. Additionally, UC Davis placed at the highest level in the annual CHIME “Healthcare’s Most Wired” survey which recognizes the use of information technology by healthcare provider organizations.

Learn more about this PanGen achievement in the recently published [case study](#).

About PanGen:

Since 2004, Panduit and Prysmian Group’s world-class partnership has provided high-performance infrastructure solutions, guaranteed network performance and system reliability. Combining the technological expertise and innovation of Panduit connectivity and General Cable cabling products, PanGen Structured Cabling Solutions encompass a wide range of world-class copper and fiber products, all backed by the PanGen Certification PlusSM System Warranty. Learn more about PanGen. www.pangensolutions.com

About Prysmian Group North America:

Based in Highland Heights, KY, Prysmian Group North America operates in the United States and Canada. In July 2018, the Group finalized the acquisition of General Cable resulting in combined operations that include 23 plants, 6 R&D centers and over 5,800 employees. In 2018, Prysmian Group North America’s combined net sales totaled \$4 billion. The Group is strongly positioned in high tech markets and offers the widest possible range of products, services, technologies and know-how. A world leader in the design, manufacture and sale of wire and cable products, Prysmian Group North America’s business units include power distribution, specialty, telecoms, trade & installers and energy projects (HV). Prysmian Group is a public company, listed on the Italian Stock Exchange in the FTSE MIB index. Additional information is available at na.prysmiangroup.com.

About Panduit:

Since 1955, Panduit’s culture of curiosity and passion for problem solving have enabled more meaningful connections between companies’ business goals and their marketplace success. Panduit creates leading-edge physical, electrical, and network infrastructure solutions for enterprise-wide environments, from the data center to the telecom room, from the desktop to the plant floor. Headquartered in Tinley Park, IL, USA and operating in 112 global locations, Panduit’s proven reputation for quality and technology leadership, coupled with a robust partner ecosystem, help support, sustain, and empower business growth in a connected world. Learn more about Panduit. <https://www.panduit.com/>



About University of California Davis Health:

Situated on a 144-acre campus in Sacramento, California, UC Davis Health serves a 65,000-square-mile area that includes 33 counties and six million residents across Northern and Central California. The 625-bed acute-care teaching hospital admits more than 30,000 patients annually and handles nearly one million visits. UC Davis Health offers primary care for all ages, specialty care in 150 fields, and the latest treatment options and expertise for the most complex health conditions.

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