

Proterial Cable America, Inc.

Optimizing Hospital Infrastructure with High-Performing Network Cables

Reliable and high-performing network and communication systems are non-negotiable in supporting life-saving operations.

Proterial Cable America (PCA) offers fiber optic and Ethernet cables designed to provide seamless connectivity and dependable performance, ensuring your network supports healthcare professionals in delivering the highest standard of patient care.

Key Use Cases for PCA Cable in Healthcare

Patient Monitoring Systems. [Cat6 or Cat6A Ethernet](#) cable support vital devices tracking patient data such as heart rate and oxygen levels, transmitting real-time information to nurses' stations and electronic health record (EHR) systems.

Diagnostic and Imaging Equipment. [Fiber-Optic Cables](#) assist essential hospital equipment like MRIs, CT scanners, and ultrasounds, ensuring high-bandwidth, interference-free transmission for accurate and high-definition images.

Hospital Communication Systems. Copper Premise Cables support everyday communication equipment that healthcare facilities rely on. Patient call buttons, intercom systems, VoIP phone systems, and paging networks depend on top quality cable performance, which PCA can provide.

Data Infrastructure. Fiber optic cable allows for the seamless and secure transfer of large data sets between departments like radiology, labs and admin systems.

Modern Applications for Connectivity

Medical equipment and applications are continuously evolving, much like most modern technology. PCA is here to support upgrading your infrastructure to a state-of-the-art facility. Here are 4 ways PCA helps power the wave of the future of medical services.

Telemedicine. High-speed fiber supports uninterrupted video consultations and secure data exchange for virtual appointments.

Get the Clearest Images. [Fiber Optic Cables](#) are free from interference and can supply accurate, high-definition imaging for clear results used for diagnosis and treatment planning.

Real-Time Location Systems. Track staff, equipment and patients throughout a hospital with central data hubs powered by fiber optic cable.

Smart Technology. Power smart hospital beds, infusion pumps and wearable health monitors to transmit data via fiber in real time.





Should I Use Fiber?

Challenges are different depending on the healthcare facility, whether it be a large-scale operation like a hospital or medical facility or a smaller needs-case like a doctor's office. Not only that, but at each facility, there are different times for different answers. So when is the right time for fiber optic cables?

Fiber Optic Cables

- [Fiber](#) delivers the best results over long-distance transmission and is ideal for connecting large facilities.
- When you need high-resolution images and sensitive data applications, turn to fiber, which is immune to electromagnetic interference.

Copper Premise Cables

- If you need a large amount of cables to work with existing infrastructure so your upgrades can be simplified, use [copper ethernet cables](#).
- Copper is efficient, reliable, easy to install and cost effective. In-room uses like call buttons and bedside monitors should use copper.

Upgrade your Cat5e Cable

- Cat6A offers speeds up to 10 Gbps, and fiber optics provide unmatched bandwidth for data-intensive hospital environments.
- Improve response times for critical applications like imaging and telemedicine.
- Support emerging technologies and hospital growth without frequent infrastructure overhauls.
- Enhance overall hospital functionality, from patient monitoring to administrative tasks.



Stay Ahead of the Trends

PCA wants to make sure your medical facility is ahead of the curve technologically. Within the ever-evolving healthcare industry, we are here for our customers.

Is Your Healthcare System Modern?

Everything from IoT-enabled facilities to telemedicine networks can be enabled in today's healthcare world, and PCA cables can support the technology driving these new operations.

Do You Have a 'Smart Hospital'?

Our expert team can answer all your questions so you have the cabling to support automation, environmental monitoring and advanced patient tracking.

Do You Need Custom Support?

Our specialty team can design custom cables to help you meet any unique challenges at your healthcare facility. Everything from compact cables or high-durability solutions can be manufactured by PCA.

Do You Need Advice?

PCA's expert team can consult with healthcare professionals to recommend the best possible solutions for your needs. Above all else, we want to make sure your systems are reliable, efficient and ready to go.

Contact Proterial Cable America!

[Call or Email our team at PCA today!](#) We're excited to partner with your healthcare facility to provide innovative and reliable cabling. Whether you need fiber optic, ethernet, or even specialty cable, we're here to help.

