
The Fourth Utility: Infrastructure Solutions for Broadband



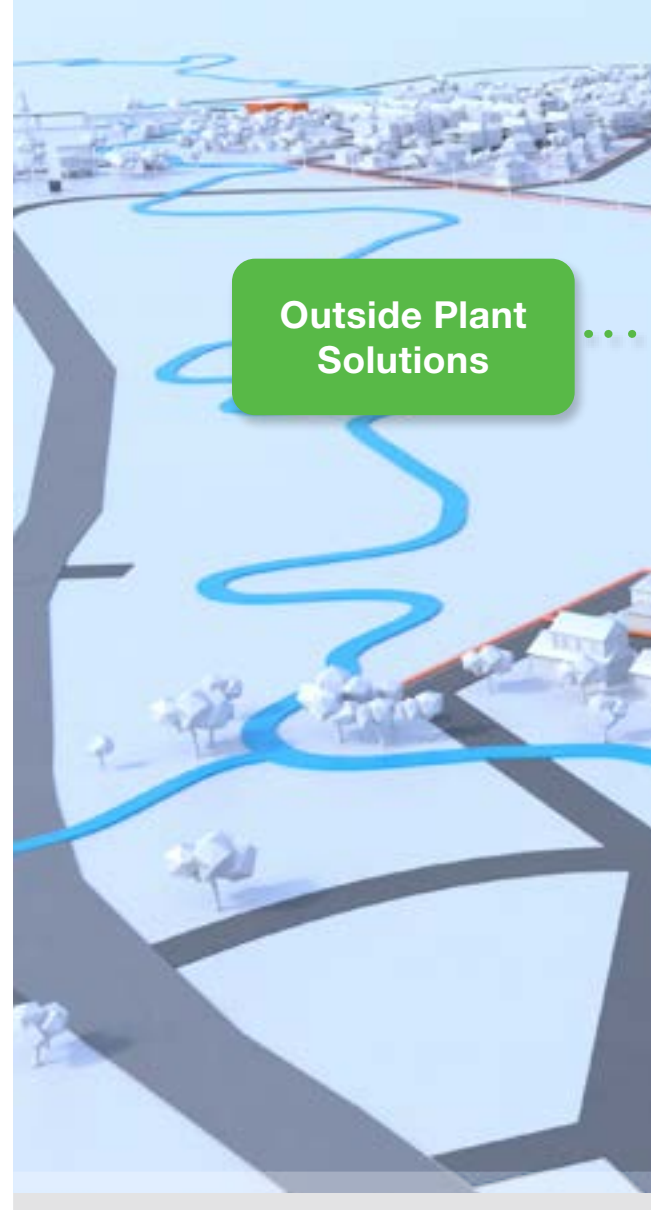
PANDUIT[®]

Righting the Digital Divide with Broadband Infrastructure

Access to the internet is no longer a luxury. Rather, it has become a necessary utility that connects myriad locations around the globe. Demand continues to grow for more connections and higher bandwidth per connection, with no end in sight. Gigabit and multi-gigabit symmetrical upload and download speeds are anticipated in the not-too-distant future.

Broadband providers rely on fiber optics to deliver high-bandwidth internet. Today, the focus has shifted to rural areas in the United States, where nearly a fourth of residents lack access to broadband services. This means residents of those areas don't have the same level of access to technology, economic opportunities, healthcare, and more.

As this broadband expansion continues, providers have found that partnering with the right physical infrastructure provider is invaluable. With deep knowledge and expertise in fiber optics and data center solutions, and 70+ years' experience developing innovative products to bundle, connect, manage, and identify components in outdoor environments, Panduit is poised to meet the challenges of the growing broadband market, delivering space savings, rapid deployment, and peace of mind that the installation will perform as expected:



Outside Plant Solutions

Worldwide network of trained and certified fiber optic installers through the Panduit ONE Partner Program

Global distributor network for easy access to the most in-demand products

25-year warranty on cabling solutions

Innovative products that install quickly and easily



**Inside Plant
Solutions**

High-density solutions to maximize the space in each rack and enclosure

Easy, digitized documentation, speeding installation and record-keeping

Rapid deployment of outside plant components

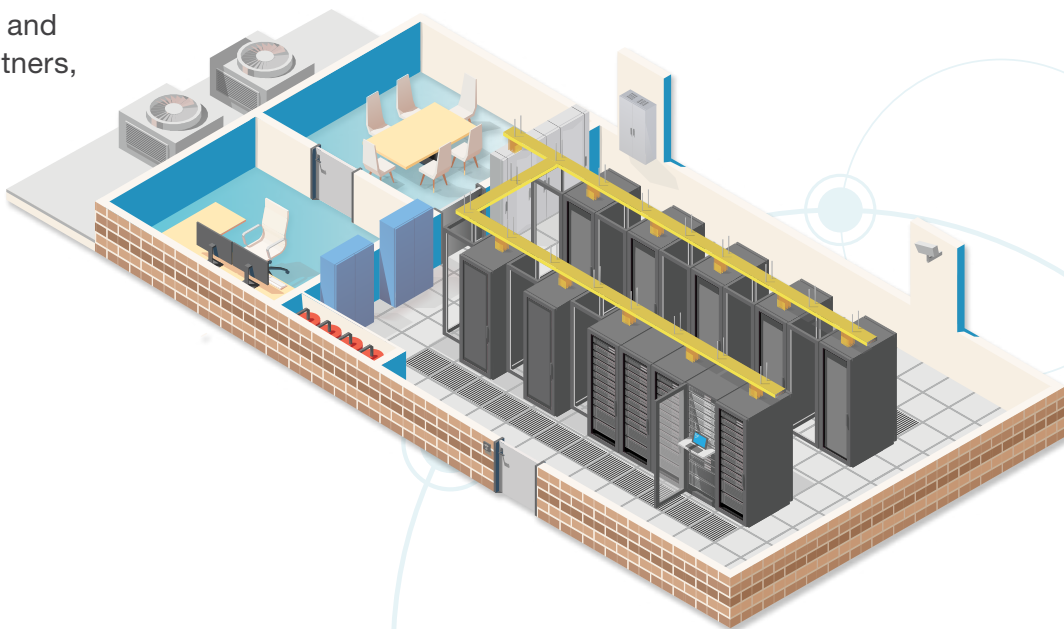


World-Class Solutions Deliver when Uptime is the Only Option

Reliability is paramount for any utility, and broadband is no exception. The headend facility, central office, or inside plant is a self-contained data center that must operate 24/7 to provide always-on communications for customers. Downtime isn't an option.

Panduit understands that level of reliability. We have supported the industry with reliable solutions for 25 years, with expertise in fiber optics, cabinets and enclosures, and cable routing solutions that house and protect vital connections. The Panduit Jack E. Caveney Innovation Center houses one of the most advanced fiber optic laboratories in the world, where some of the world's leading fiber optic researchers and developers are creating world-class solutions that boost bandwidth, install faster and easier, and perform better.

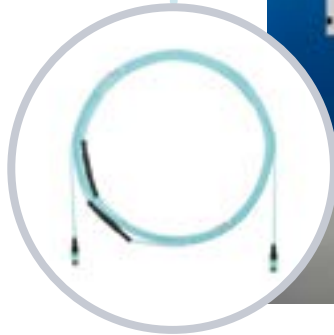
When you pair quality products with professional, Panduit-trained and Panduit-certified installer partners, you can rest easy that your systems will operate as designed.



Fiber Connectivity and Assemblies

You need easy and rapid deployment of your inside plant fiber. Panduit offers a wide range of fiber assembly solutions, plus an online configurator for custom solutions.

All Panduit fiber optic patch cords are compatible with our RapidID™ Network Mapping System, which automates documentation of the physical network to speed deployment and ease management.



Fiber Optic Splice, Distribution, and Equipment Enclosures

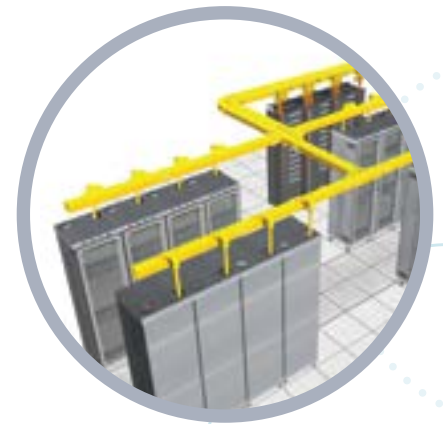
Panduit Optical Distribution Frames and Optical Splice Enclosures are built for minimized space and easy transition of high-count outside plant ribbon cables into the inside plant.

The comprehensive offering of vertical cable management, horizontal cable management, and rack solutions reduces the space required to route, manage, and protect cables today and moving forward.

Pathways

Pathways in a telecommunications building provide functional, protective containment for the structured cabling infrastructure in what is typically a dense cabling environment. Versatility is key, so that the pathways can accommodate the required structured cabling.

Panduit's pathways are engineered for easy and rapid deployment for applications requiring care for sensitive fiber jumpers as well as heavy, high-density trunk and power cabling.



Power and Grounding

Maintaining reliable power within the inside plant network is critical. Panduit provides high-quality and innovative power distribution and grounding solutions for inside plant data center applications.



Identification Solutions

Panduit has a full line of labeling products, software, and mobile printers to assist you with your labeling requirements. We also offer signs and permanent identification solutions to deliver improved productivity and workplace safety.



Meeting the Environmental Challenges of the Broadband Industry

Panduit has been committed to the needs of contractors since our invention of the cable tie 70 years ago. This has been followed by groundbreaking innovations in grounding, identification, and in both copper and fiber optic communication systems, making Panduit a leading provider for networking contractors. From cable ties to identification, and enclosures to optics, Panduit products are the leading choice for installers worldwide.

Broadband installers leverage our industry-leading selection of more than 30,000 readily available parts, rigorously tested to ensure outstanding performance in environments where wind, vibration, UV exposure, and temperature extremes are an everyday occurrence. You can have confidence that your installation will work as designed with Panduit products.

Identification

Pre-printed labeling solutions for both fiber optic safety and detection, as well as electrical safety, comply with the latest OSHA regulations and standards, to alert personnel to hazards while withstanding environmental conditions. Labels and signs are available in a variety of pre-printed options and can be customized where needed.



Cable Bundling and Securing

When you secure a bundle with a cable tie, you intend it to remain secure. However, many environmental factors such as sunlight and reaction against galvanic coatings can cause some of the most common bundling products to degrade and fail.

Panduit is the world leader in contractor securing solutions. We have decades of experience in providing the right design and the right material for your job, with lab and real-world evidence to back up our confidence.



Enclosures and Pole Attachment

Panduit's line of premium stainless steel strapping makes pole attachment secure and reliable for the long term. UL listed, with unique features like a self-locking head, strengthening ribs, and rounded edges for installer safety, Panduit's stainless steel attachment hardware promotes both safety and reliability.

Our outdoor enclosures are suitable for splicing, splitter deployment and also implementation of wireless devices and power conversion.

Fiber Optic Cable and Connectivity

Panduit's optical fiber innovations include both mechanical splice and fusion splice connectors for making the fiber optic connections within the NID enclosure. Our pre-terminated fiber assembly capabilities can also provide rapid drop network terminations.

Outside plant fiber solutions include a range of outside plant cable with up to 144 fibers, and a series of closures to fusion splice a wide range of loose tube or ribbon cable constructions.



Reliable Solutions You Can Count On

Whether you're building out a telecommunication building or extending fiber to the home, Panduit has the solutions you can trust to deliver reliable broadband service, with easy installation, and product availability where and when you need it.

Learn more about our broadband solutions at www.panduit.com/broadband.

Our most important connection is with you.

We have the knowledge and experience to help you make the most of your infrastructure investment.

www.panduit.com

Let's Connect
www.panduit.com/contact-us

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