

Broadband Fiber to the Home



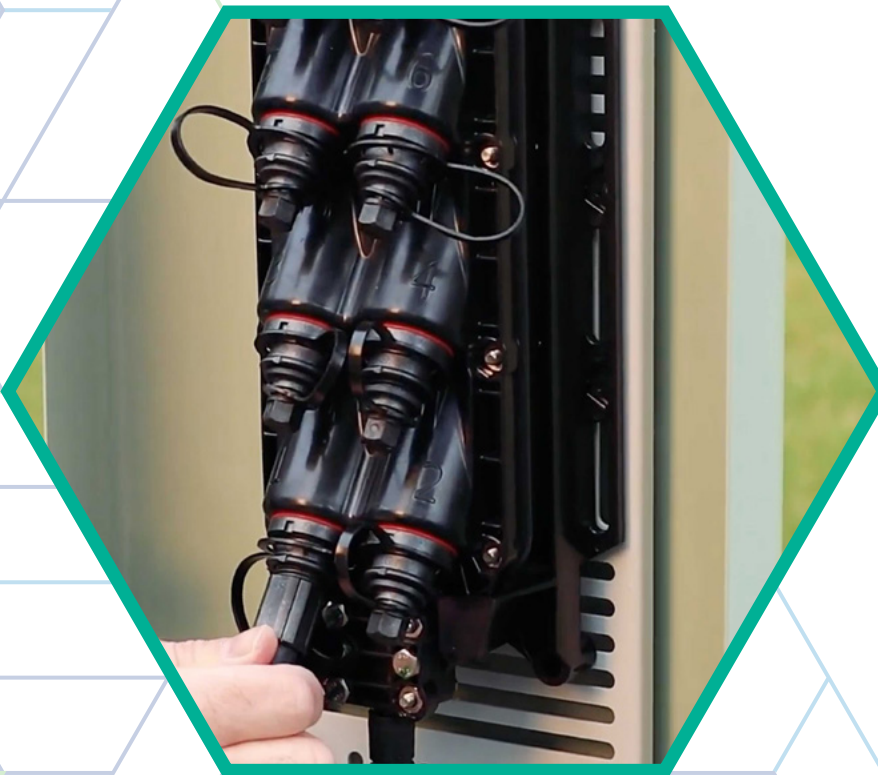
PANDUIT[®]

Selection Guide

Broadband Fiber to the Home

We are where you want Broadband to go!

As a global leader in electrical and network infrastructure solutions, our Fiber to the Home (FTTH) solutions are designed to meet the growing demand for high-speed internet and broadband services. They are designed to provide robust, scalable, and easy-to-install infrastructure for high-speed internet delivery. With a comprehensive range of products and a focus on performance and reliability, Panduit supports the growing demand for broadband connectivity in various applications.



Key Features & Benefits

Seamless Installation and Deployment

Our integrated FTTH solution simplifies the installation process, reducing labor costs and accelerating deployment timelines, ensuring you can meet project deadlines efficiently.

Durable and Reliable Performance

Built to withstand harsh environmental conditions, our pedestals, MSTs, and drop cables offer long-term reliability and consistent high performance, minimizing maintenance and operational disruptions.

Scalability and Flexibility for Future Growth

With a range of customizable options, our solution is designed to adapt to various network scales and requirements, supporting your network's growth and evolving technology needs.

Broadband Infrastructure

Panduit's Fiber to the Home (FTTH) solutions provide durable, scalable, and easy-to-install infrastructure for high-speed broadband networks. Our products simplify fiber deployment from the central office to homes, ensuring reliability and efficiency.

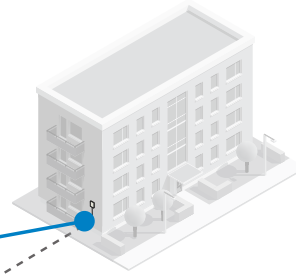
Central Offices

For a well-planned central office there are hundreds of details to consider. Start easy with our [Central Office Reference Architecture](#) and get your planning off on the right foot.



Fiber Optic and Cable Management Portfolio

Network Interface Devices (NID)



Pedestals

Protects fiber connections from harsh weather and physical damage, ensuring a long-lasting, stable network. Easy to install with minimal maintenance required.



Fiber to the Home



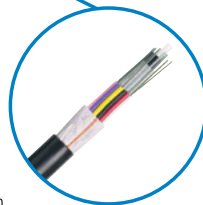
Outdoor Dome Fiber Splice Closure

Keeps fiber splices secure with an IP68-rated, weatherproof seal. Protects against water, dust, and impact for long-term network reliability.



Outside Plant Fiber Optic Cables

Expands network capacity with fiber counts up to 144, allowing for easy scaling. Multiple jacket options protect against extreme outdoor conditions.



Multiport Service Terminals

Simplifies fiber distribution with a pre-installed terminal bracket, making installation faster and more efficient. Mounts easily in pedestals and aerial applications for flexible deployment.



Fiber Drop Cable Assemblies

Speeds up fiber installations with weather-resistant technology. Available in two options to reduce costs or enhance deployment flexibility.



Network Interface Devices (NID)



Multiport Service Terminals

- Port flexibility: available with 4, 8, or 12 ports to tailor your network setup to meet specific requirements, ensuring optimal performance and resource efficiency
- Flexible deployment lengths between 200 feet and 500 feet configurations to suit your unique installation needs, providing adaptability for different project scopes
- Environmental durability constructed from gasketed hardened plastic and rated IP68, our MST is highly water-resistant, UV stabilized, and built to withstand the toughest environmental conditions, ensuring long-lasting reliability
- Versatile installation options with flexible multiple mounting options, including handhole, pedestal, pole, or strand mounting, allowing you to easily adapt to various installation scenarios and site requirements



Part Number	Description
P-MST-4D [^]	4-Port Non-Toneable (Dielectric) Service Terminal
P-MST-8D [^]	8-Port Non-Toneable (Dielectric) Service Terminal
P-MST-12D [^]	12-Port Non-Toneable (Dielectric) Service Terminal
P-MST-4T [^]	4-Port, Toneable Service Terminal
P-MST-8T [^]	8-Port Toneable Service Terminal
P-MST-12T [^]	12-Port Toneable Service Terminal

[^]Foot Lengths: 200 ft. or 500 ft.

Pedestals

- Provides an option for quick deployments when using one of our pedestals with our pre-installed Multiport Service Terminal (MST) bracket, fiber splice tray, or a combination of both
- Long-term reliability constructed to withstand environmental factors, our pedestals ensure durable and consistent performance, guaranteeing a reliable and robust network infrastructure over the long term
- Tailored fit for any network and available in both 8" and 10" models, our pedestals can accommodate various network scales and site requirements, providing flexibility and scalability for different project needs



Part Number	Description
HUB-8-MB	8 in. FTTH Pedestal with MST Mounting Bracket
HUB-10-MB	10 in. FTTH Pedestal with MST Mounting Bracket
HUB-8-FSTH	8 in. FTTH Pedestal with Fiber Splice Tray Holder
HUB-10-FSTH	10 in. FTTH Pedestal with Fiber Splice Tray Holder
HUB-10-MB-FSTH	10 in. FTTH Pedestal w/ Fiber Splice Tray Holder and MST Mounting Bracket
HUB-8-E	Splice Enclosure for 8 in. Pedestal with Mounting Bracket
HUB-10-E	Splice Enclosure for 10 in. Pedestal with Mounting Bracket

Fiber Drop Cable Assemblies

- Speed and ease of deployment, featuring weather hardening technology that revolutionizes fiber installations by enhancing speed and ease of deployment. This results in efficient installations and reliable connectivity
- Elevated network performance with unmatched quality and innovative connector retention for exceptional reliability and trustworthy performance for your network
- Available in Toneable and Non-Toneable configurations. Toneable drop cables are pre-connectorized and come ready to deploy which eliminates the need for field-splicing or monitorization. This saves time and is especially beneficial in high-volume deployments where time is critical. Non-Toneable drop cables are spliced for greater flexibility in installations. They can be cut to the exact length needed, reducing waste, and improving neatness in installations. Adaptability is beneficial in complex installations where cable routes are not straightforward.



Part Number	Description
FHDCDPT-0050	Fiber hardened drop cable, dielectric, plug-to-pigtail, 50 ft.
FHDCDPT-0*	Fiber hardened drop cable, dielectric, plug-to-pigtail
FHDCTPT-0050	Fiber hardened drop cable, toneable, plug-to-pigtail, 50 ft.
FHDCTPT-0*	Fiber hardened drop cable, toneable, plug-to-pigtail

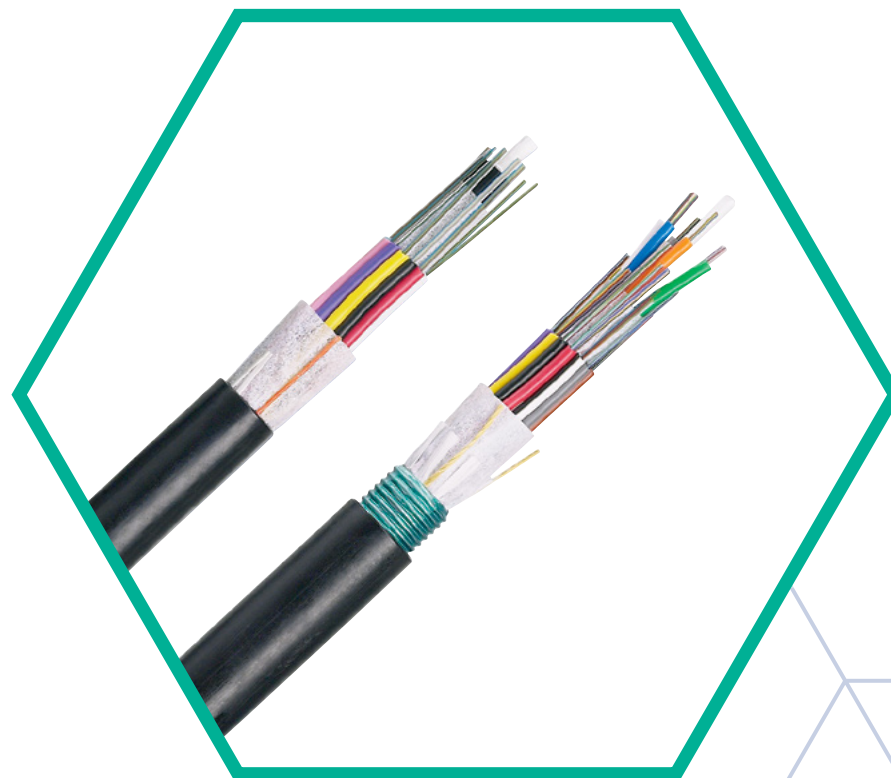
*Foot Lengths: 100 ft. - 1000 ft. (every 100 ft.)

Accessories

Part Number	Description
P-MST-ASB	Strand Mounting Bracket Kit for MST
HUB-S32	32 in. Stake for FTTH Pedestal
HUB-S42	42 in. Stake for FTTH Pedestal
HUB-ST	Pedestal Splice Tray
HUB-GK	Pedestal Grounding Kit
HUB-GROM-KT	Pedestal Replacement Grommet Kit

Outside Plant Fiber Optic Cable

- Scalable Fiber Counts for Growing Demand: Fiber counts ranging from 48 to 144 allow broadband providers to match network capacity with immediate needs while future-proofing for growth. This scalability supports applications from low-density rural areas to high-traffic urban deployments.
- Armored and Non-Armored options are available, providing solutions for multiple applications. Armored cables offer enhanced protection for direct burial or rugged outdoor environments, with built-in resistance to physical damage and rodent interference. Ideal for high-durability needs in exposed areas. Non-Armored cables are lightweight and flexible, suitable for installations in conduits or aerial setups where physical protection is provided by the environment. A cost-effective option for less demanding installations.
- Designed to provide reliable performance in outdoor conditions and engineered for extreme temperatures, UV resistance, and water-blocking, delivering reliable performance in various climates and terrains.



Part Number	Description
FSTN948	OS2 48 Fiber Outside Plant Non-Armored Cable, Non-Rated, 250µm Fibers
FSTN972	OS2 72 Fiber Outside Plant Non-Armored Cable, Non-Rated, 250µm Fibers
FSTN996	OS2 96 Fiber Outside Plant Non-Armored Cable, Non-Rated, 250µm Fibers
FSTN91A	OS2 144 Fiber Outside Plant Non-Armored Cable, Non-Rated, 250µm Fibers
FSWN948	OS2 48 Fiber Outside Plant Armored (Single Armor, Single Jacket) Cable, Non-Rated, 250µm Fibers
FSWN972	OS2 72 Fiber Outside Plant Armored (Single Armor, Single Jacket) Cable, Non-Rated, 250µm Fibers
FSWN996	OS2 96 Fiber Outside Plant Armored (Single Armor, Single Jacket) Cable, Non-Rated, 250µm Fibers
FSWN91A	OS2 144 Fiber Outside Plant Armored (Single Armor, Single Jacket) Cable, Non-Rated, 250µm Fibers

Outdoor Fiber Splice Closure

- Fiber splice closure series is available in two size configurations to support a wide range of splicing applications, from small count drops to high-capacity ribbon fiber trunks
- Designed for outdoor environments, dome closures offer high levels of protection from water, dust, and other elements and are rated to IP68 for water and dust resistance, making them suitable for both aerial and underground installations.

Fiber Splice Enclosure

Part Number	Size	Splice Trays	Cable Entries	Grounding Configuration
PANFSC-M020	Medium	0	2	No Grounding
PANFSC-M023				3 Grounding Lugs
PANFSC-L020	Large			No Grounding
PANFSC-L026				6 Grounding Lugs

Single Fiber Trays

Part Number	Closure Size	Capacity	Included Modules
PANFSC-M-TR12	Medium	12 splices	2 modules (6 splices each)
PANFSC-M-TR24		24 splices	2 modules (12 splices each)
PANFSC-L-TR36	Large	36 splices	6 modules (6 splices each)
PANFSC-L-TR72		72 splices	6 modules (12 splices each)

Ribbon Fiber Splice Trays

Part Number	Closure Size	Capacity (Mass Fusion)	Included Modules
PANFSC-M-RB12	Medium	144 Splices (12 ribbons x 12 splices)	2 modules
PANFSC-L-RB24	Large	288 Splices (12 ribbons x 24 splices)	4 modules

Fiber splice closure accessories, including cable termination kits, additional splice trays, splice modules, grounding accessories, and mounting hardware are available at panduit.com.



Making the connections that matter.

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

panduit.com/ftth



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infrastructure for a connected world