



FIST™ modular splice closure

Proven meets future-focused

COMMScope®

Networks are constantly growing and changing

Fiber connectivity is the foundation of the essential communications networks of today and tomorrow. According to research firm MarketsandMarkets¹, the global fiber-to-the-X market will grow from \$9.7 billion in 2018 to more than \$14 billion by 2023. The drivers of this growth: the rapidly increasing demand for higher bandwidth, growing use of optical fiber in mobile backhaul, and rising popularity of triple and quad-play services. And at the same time, the internet of things (IoT), mobile computing and 5G are quickly becoming more widespread. Between 2016 and 2021, global mobile data consumption is expected to increase by 700 percent².

Flexibility and agility for fiber-to-the-X rollouts

Successful network planning requires a strategy that allows providers to respond quickly to new market conditions. But providers need more than the right plan, they need flexibility and agility when rolling out new equipment or services. They need speed to market.

For example, a provider implementing a fiber-to-the-home expansion might need to deal with a variety of possible network topographies—there may be no one-size-fits-all solution. In a case like this, can a provider adopt a standardized equipment solution that can adapt to all application needs?



Global mobile data traffic

Estimated to increase by



700% by 2021

¹ <https://www.marketsandmarkets.com/PressReleases/fiber-to-the-x.asp>

² Cisco Mobile Visual Networking Index (VNI)



Providers need speed to market for FTTX rollouts



The best plan to upgrade your network:

VERSATILE
EQUIPMENT

+

AN EXPERT
PARTNER

Upgrade to happy, better-connected customers

Pushing what's possible: finding deployment efficiencies

Controlling labor and training costs is key to a successful, efficient deployment. For providers, making sure the right people with the right training are available can be extremely challenging. If providers can build on the existing expertise of their field installers, they can create large efficiencies that will speed deployments.

Of course, this goal may seem easier to realize in the planning stages of a project than during the sometimes-difficult installation process of an actual deployment. How to best get from the planning stages to an upgraded network? The key is often twofold: selecting versatile equipment, and partnering with a network infrastructure company whose proven solutions can help providers better connect with their customers.

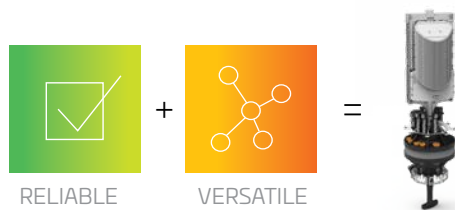
Subscriber satisfaction is more important than ever

The communications service provider landscape has undergone huge changes in the past 10 years. Enabled by increased competition, empowerment from regulatory bodies, ease of switching providers, and a thorough technological education, consumers today have an unprecedented amount of control in their relationship with providers. Subscriber satisfaction has become paramount to communication service providers. **Choosing reliable, versatile equipment that's backed by exceptional partners will give providers true peace of mind.**

FIST™ modular splice closure: unlocking your network's potential

Anticipate the future with the all-in-one fiber splice closure

CommScope's new FIST modular splice closure is a solution that helps providers push the boundaries of what's possible. This innovative closure is specially designed to give customers the freedom to respond to future changes while delivering unparalleled reliability. The new closure brings all-in-one versatility to networks because it works with the widest range of cable types while maintaining easy access to the individual fibers within those cables. Where you might need two closures today, with the FIST modular splice closure, you will only need one.

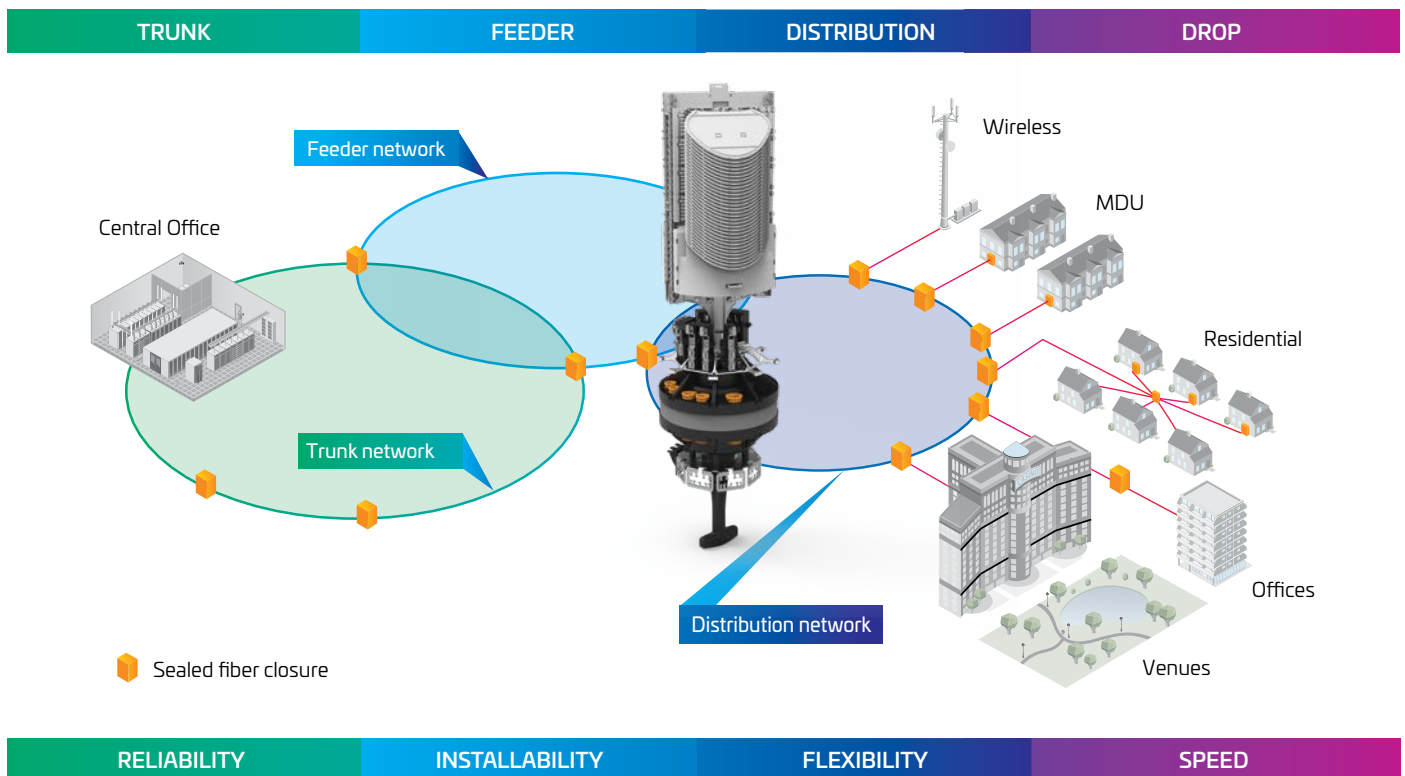


A solution that adapts to your network—today and tomorrow

For more than 30 years, FIST closures have maintained an outstanding performance record in the feeder and distribution parts of the network. CommScope has developed the new FIST to accommodate new technologies, network topologies, cable types, and installation requirements in the feeder and distribution portions of the network. It has been specifically designed to provide customers with an optimized solution for air-blown cable and microtube applications, but the versatile FIST modular splice enclosure can help networks in many ways.

With a modular base composed of eight interchangeable cold-seal segments, its unique design provides customers unprecedented versatility. Ideal for fiber-deep networks, this closure accommodates the widest range of cables and microtubes (1-27 mm) while delivering easy access to individual fibers. In another innovation to make installations and upgrades in the field significantly simpler, cables may enter the closure at several points—with no need to take apart and re-install the entire closure.

FIST modular splice closure is the ideal fiber closure for feeder and distribution networks.



End-to-end network efficiencies

FIST modular splice closure is a new solution that's efficient out of the box. At its core, the closure utilizes CommScope's patented Fiber Interface System Management (or FIST) splice tray and organizer—the original single-element and single-circuit transient loss-controlled fiber closure and organizer system, which has become the standard choice for installers in many regions.

The base of this closure profits from CommScope's experience with the TENIO closure—using the first fully wraparound, 100 percent mechanical seal ever introduced. This fully wrap-around feature makes legacy plant rehab or renewal of existing products in the field very easy. Our know-how in material science and gel technology, combined with the experience of TENIO's mechanical release mechanism, gave us a head start to improve the overall usability of this new closure.

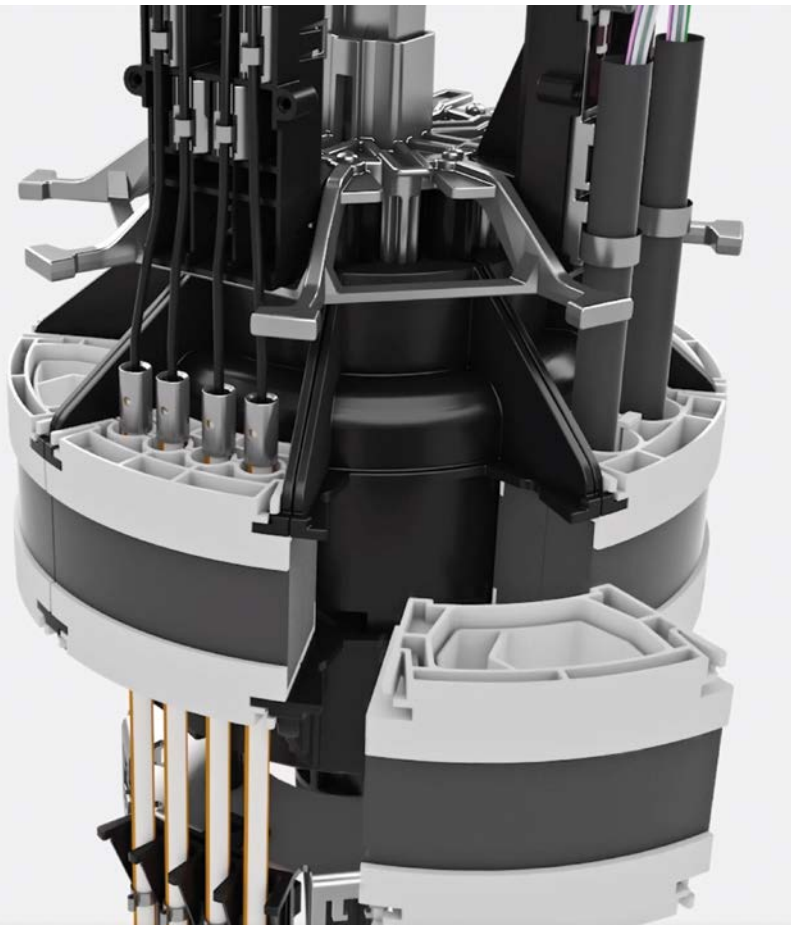
CommScope gel sealing: 30 years of dependability in the world's harshest environments

CommScope's gel sealing technology has successfully protected millions of products in some of the world's most rugged conditions. Apart from its excellent environmental security, our patented gel is uniquely self-healing, allowing for fast closure re-entry in the field. So, whether you're deploying a new network or adding customers, our gel technology simplifies and speeds up the work.



Seeing is believing.

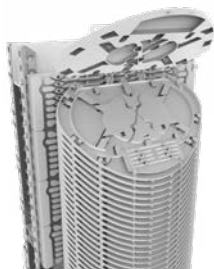
To see an animation of the elegant design and engineering that make the FIST modular splice closure so versatile, please watch the video. [▶](#)



FIST™ modular splice closure: adapting to the constantly-changing needs of your network

To keep pace with subscriber demands, network providers today need real deployment efficiencies. The new FIST delivers versatility and efficiency. It supports many network applications; its ease of installation speeds deployments; and it simplifies planning and logistics.

FIST fiber management



- Transient-free, modular, flexible fiber management
- FIST single-circuit and single-element splice trays
- Up to 1,248 splices with standard domes; expandable splice capacity with extra collars
- Storage area for looped cable
- Compatible with all fiber types: G.652D and G.657 series

High-performance closure



- Uses FIST closure materials
- Base is completely removable, with easy access during installation and provisioning
- Tool-less base install: simply turn and lock pin
- Underground, ground level, and aerial use
- IP68; 5m WaterHead; 40 kPa

Superior gel seal



- Fully wraparound, 100 percent mechanical seal
- Eight interchangeable base segments
- Click and snap with no screws required
- Field and factory installable
- Easy day two or repair cable installation
- Easy release of gel segments by the un-triggering of the handle

Industry-leading cable fixation



- Universal termination for 1-27 mm cables
- Full wraparound and remote cable preparation and CTU (cable termination unit) installation
- Integrated grounding feature for easy grounding wire attachment
- Possible to open gel segments with cable retention in place
- Only one hex wrench needed



CommScope—working hard to bring peace of mind to network providers

For more than 40 years, we've been a leader in innovating the network infrastructure of the future. Our new FIST™ modular splice closure is specially designed to make your network more cost efficient. We've built in versatility to respond to fast-changing business dynamics, and dependability to deliver unparalleled network reliability. And a reliable network means satisfied customers—and peace of mind for providers.

“Designed to help network providers keep up with the constant changes in their network landscapes, the new FIST combines rugged environmental design, high fiber capacity, and easy access. The result is a closure that will be versatile for years into the future.” - Industry Expert



CommScope. It's our job to know what's next.

CommScope helps companies around the world design, build, and manage their wired and wireless networks. As demands for connectivity grow, our vast portfolio of network infrastructure helps our partners meet their customers' demands.

With solutions like our [fiber splice closures](#), we're ready to power your present and empower your future. Visit our website to learn more about our fiber splice closures. Then let us show you how we can help you unlock the potential of each new day. CommScope—helping you create a network that's forward-thinking, dependable, and cost efficient.

[Get in touch today.](#)



More than 40 years of experience meeting the most demanding customer needs and deployment environments



Global reach, with more than 30 facilities for manufacturing, R&D, distribution and customer support



Commitment to innovation, with an annual R&D investment of more than \$200 million and nearly 10,000 patents and pending applications



Integrated manufacturing and supply chain approach which delivers product quality, capacity and inventory management excellence



Recycle to the greatest possible extent, produce off-peak for enhanced energy efficiency and ISO14001 certification

CommScope pushes the boundaries of communications technology with game-changing ideas and ground-breaking discoveries that spark profound human achievement.

We collaborate with our customers and partners to design, create and build the world's most advanced networks. It is our passion and commitment to identify the next opportunity and realize a better tomorrow. Discover more at commscope.com

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Visit our website or contact your local CommScope representative for more information.

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