Prodigy™ small form hardened connector system

Imagine a brighter future for your fiber network

COMMSCOPE®

Meeting the need for speed and connectivity

Unprecedented demand for high-speed connectivity and unlimited bandwidth is driving investment in fiber-to-the-home (FTTH) network deployments. Faster broadband service, lightning-fast downloads and seamless streaming are essential to meeting consumer and business needs. In the race to connect, network operators and telecommunications providers need to deploy faster and simpler in high-density environments.

RACE TO CONNECT

| FASTER | SIMPLER | SMARTER |

From multiservice terminals in the 1980s to the DLX system, which was introduced in 2009 and features miniaturized hardened connectors and provides higher density in a smaller footprint, CommScope has been a leader in hardened connectivity solutions.

As connectivity requirements have evolved, CommScope has remained committed to simplifying and speeding deployments, increasing network density and overcoming complexity in every connection, from one end to the other.

A simple, smarter hardened connector solution

Introducing Prodigy™ fiber optic connector solution

Prodigy, CommScope's newest innovation in hardened connectivity, unlocks the potential of your fiber-to-the-home (FTTH) network with comprehensive solutions that install faster and simpler than ever. Prodigy is a small form hardened connector system for fiber terminals and cable assemblies and is the preferred choice for future-ready networks.

Prodigy is universally compatible with multiple hardened fiber connectors, making it a game-changer in plug-and-play FTTH solutions. Prodigy received CommScope's "Innovators in Action" award because it represents breakthrough technology that is set to revolutionize network architecture.

As a new hardened connector on the market, Prodigy enables smaller terminal footprints, is easier to mate and delivers exceptional performance that puts your network right where it needs to be. Designed to withstand rugged outside plant environments, Prodigy meets the speed, density, reliability, flexibility, ease of installation and performance needs of today and tomorrow.

A smart, universal solution

Featuring an innovative universal design, Prodigy™ fiber optic connectors and adapters are easy and fast to deploy while offering the performance you've come to expect from CommScope. With Prodigy, installers don't need a patchwork of cable assemblies and components. The Prodigy connector is compatible in applications that require different styles of hardened fiber connectors—simplifying ordering and improving compatibility between network elements.

UNIQUE UNIVERSAL COMPATIBILITY

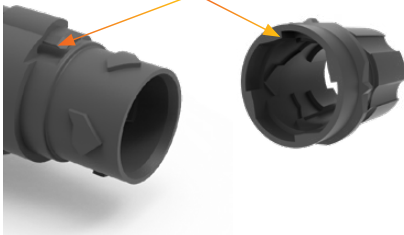**Full-size converter kit**

Bayonet converter kit

DLX converter kit

- Compact and small footprint, space-saving design for high-density environments
- Compatible with multiple hardened connectors
- Converter kit is preassembled for ease of installation

SAFE. WORRY-PROOF.

Locking feature

To ensure the highest level of safety in the field, our design development followed a poka-yoke—mistake-proofing—design philosophy to help eliminate errors.

- Connects easily with a 45-degree twist to lock the connector core in the adapter, converter and dust cap
- Self-locking mechanism with audible click enhances safety and provides peace of mind
- Prevents accidental release of the converter

EASY. ERROR-PROOF

- Self-guided automatic alignment with wide working range simplifies adapter and converter installation and minimizes the chance of connection errors
- Innovative "break-free" design enables reuse of core connector in the event of field connection errors
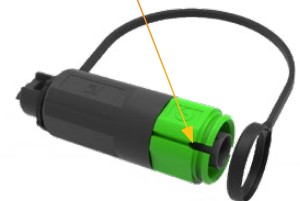
Keying feature on the connector

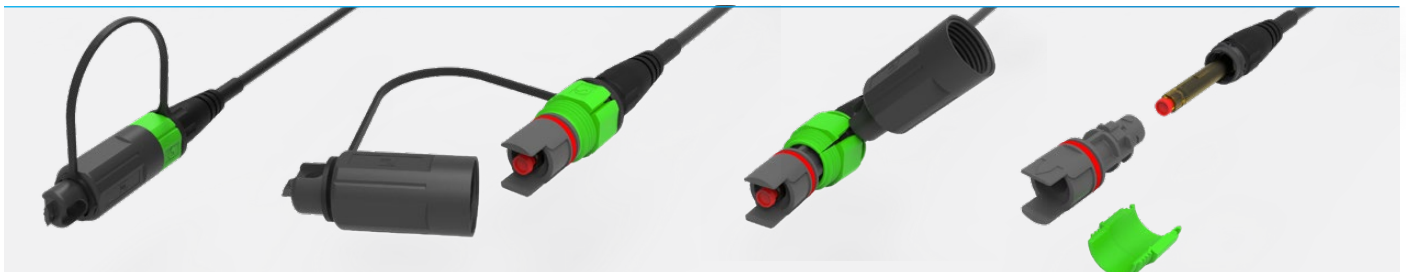**Guiding surface for self-alignment**

"Breaking feature"

Vision for the future—trusted expertise to get there

CommScope maintains deep and long-lasting relationships with customers and helps them build, design and deploy customized solutions that are aligned with their technology road maps. We always ask, "How can we better serve our customers and add value to their businesses?" Solving these challenges is what drives us every day.

We listened carefully to our customers with the development and innovation of the Prodigy™ connectors, creating breakthrough technology that revolutionizes cable assemblies. And we did it in two weeks—from concept to 3D prototypes for approval—accomplishing what no other company could. The new fiber drop cable assemblies with the Prodigy connector system take the simplicity of connectivity to the next level.

New fiber drop cable assembly with Prodigy

CommScope's fiber drop cable assembly solutions bring speed and flexibility to outside plant fiber cabling networks. Each factory-connectorized cable is designed to eliminate time-consuming field splices. These plug-and-play solutions perform under extreme conditions, including sun, heat, cold, moisture and heavy RF interference. Durable and reliable, they integrate seamlessly into existing fiber optic networks.
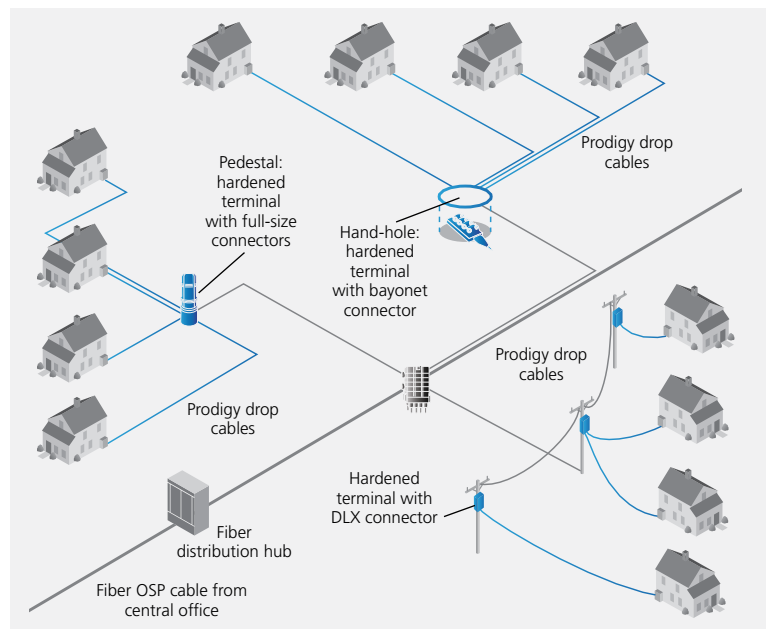

The Prodigy converter comes with a break-free feature. If an installer places the wrong converter on the cable assembly while in the field, the dust cap can be removed and used to break open the converter. By pressing down on a latch, the installer can release the converter body from the connector core , which can be reused.

Interoperable. Universal. Smart.

Prodigy simplifies field installation logistics and ordering for customers who use multiple types of hardened connectors and terminals. With Prodigy, customers need only one cable assembly that will include the required different lengths. An installer can simply run a drop cable assembly and convert the Prodigy connector to the required connector in the connection box. Customers have total freedom in using this universal cable solution.

Today, the fiber cable assembly is available with 5 mm round and figure 8 cables in lengths up to 2,000 feet (600 meters). In the future, additional fiber cables, such as flat drop dielectric and toneable, will be available.

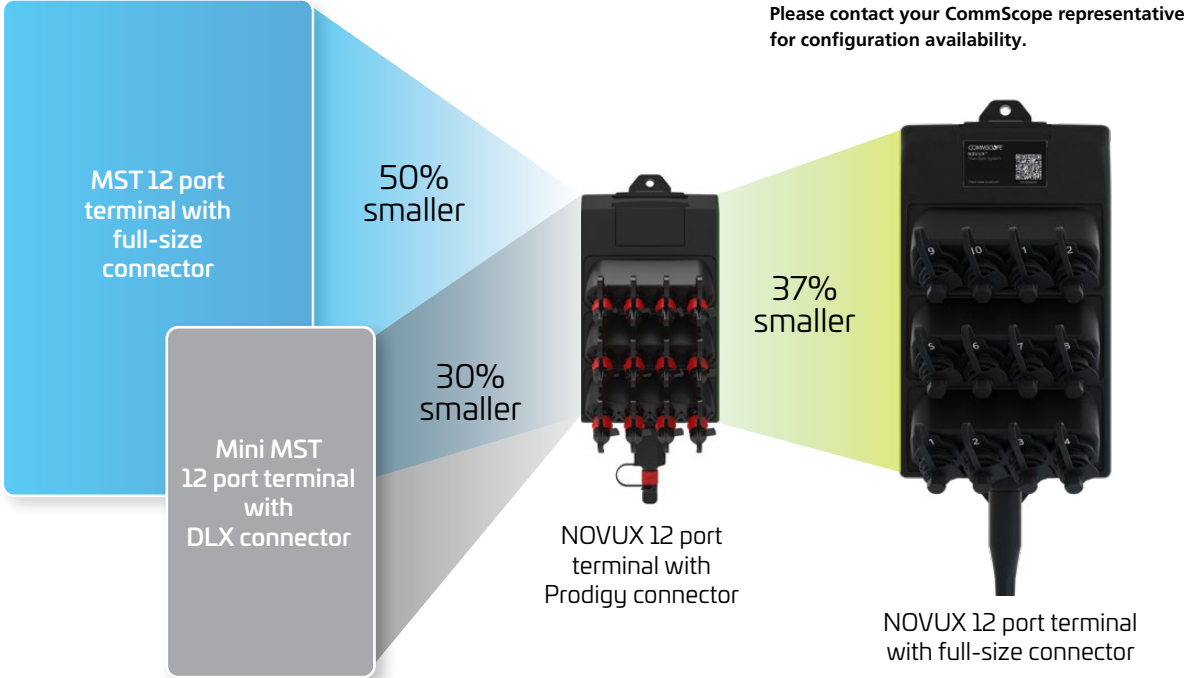Please contact your CommScope representative for configuration availability.

NOVUX™ hardened terminals: The ultimate flexibility for plug-and-play FTTH solutions

Our customers told us they need solutions that will help them realize their goals and keep pace with the rapidly changing network environment. NOVUX hardened terminals offer the widest variety of technologies from a single platform and leverage modern, state-of-the art design for all network applications today and in the future.

SINGLE-FAMILY UNITS	URBAN AND SMART CITIES	RURAL DEPLOYMENT	NEW NEIGHBORHOOD BUILDS

| Single fiber | Multi-fiber | Optical taps | Fiber indexing |

NOVUX with Prodigy™: *Smart* meets agility and flexibility

Networks will soon be able to use Prodigy connectors and adapters with CommScope's NOVUX hardened terminals in situations when a small footprint matters. Prodigy is the perfect complement to NOVUX and is the next evolution in outdoor-ready plug-and-play connections. And, with keen focus on safety and error-proof installability items such as the new locking feature provide the ultimate reliability you have come to expect from CommScope. This powerful combination will ease space constraints and leverage the unparalleled benefits of the NOVUX hardened terminals portfolio.

Please contact your CommScope representative for configuration availability.

MST 12 port terminal with full-size connector

50% smaller

Mini MST 12 port terminal with DLX connector

30% smaller

NOVUX 12 port terminal with Prodigy connector

37% smaller

NOVUX 12 port terminal with full-size connector

The trusted partner that can deliver it all

CommScope has been a leader in building, designing and deploying future-ready networks for more than 40 years. We're also committed to providing our customers with the support they need to build their network fiber infrastructure on a solid foundation.

As network capacity demands increase, explore the many ways CommScope can help you take advantage of tomorrow with simplicity, agility and confidence.

Contact your CommScope representative today to learn how your network can do more than you ever imagined.

Visit commscope.com to learn more.

[**Visit CommScope**]

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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