



NOVUX[®] Hardened Terminals

A modular ecosystem that's easily
configurable and scalable

COMMSCOPE[®]

NOVUX[®] is the natural evolution of today's products—made better



When we set out to design our new NOVUX fiber-to-the-X (FTTX) ecosystem, we listened carefully to our customers. You told us that solutions must deliver the agility to evolve quickly while providing the flexibility to work seamlessly with any field application. We also learned you need solutions that deliver reliability today—and decades from now—so that you can realize your goals and keep pace with the rapidly changing network environment.

75% fewer components than existing products

DELIVER

50X the number of configurations available today

The NOVUX hardened terminals advantage

Configurable. Scalable. Simple.

Widest variety of technologies available from a single platform

- Single- and multi-fiber, splitters, optical tap, fiber indexing, and on-demand hybrid configurations

Application flexibility for new builds and upgrades

- Extended choice of cable types and sizes; stubless configurations
- Choice of full-size or Prodigy[®] single fiber ports, multi-fiber HMFOC jacks
- Minimized footprint for optimal port count and terminal size
- Black and gray colors for ease of concealment
- Multi-use functionality

Ready for the field workforce of the future

- Unique network identification with ID plate and QR code
- Uniform installation practices and documentation speeds cross-training
- Digital access to all product information powered by CommScope cTrak[®] app

Agile global supply chain backed by common platform design and processes

- Multiple global locations with local manufacturing advantage
- Industry-renowned local field expertise and support

NOVUX hardened terminals

UP TO 50%
smaller*

*compared to existing MST terminals with universal mounting bracket



MST 8-port



NOVUX HST 8-port



Prodigy 8-port

NOVUX hardened terminals are engineered from the get-go as a new FTTX system architecture that spans the outside plant fiber network.



A complete FTTX ecosystem for all your network applications

Configurable, scalable, simple. Sounds like a tall order. That's where CommScope's new NOVUX hardened terminals come in. The modular design and innovative technology of our new terminals will help our provider partners keep pace with a rapidly changing network environment. Terminals are available with either full-size or Prodigy adapter ports.

NOVUX single-fiber terminals

- Ideal for single-family unit communities
- Up to 12 ports
- Point-to-point (P2P) or splitter configurations



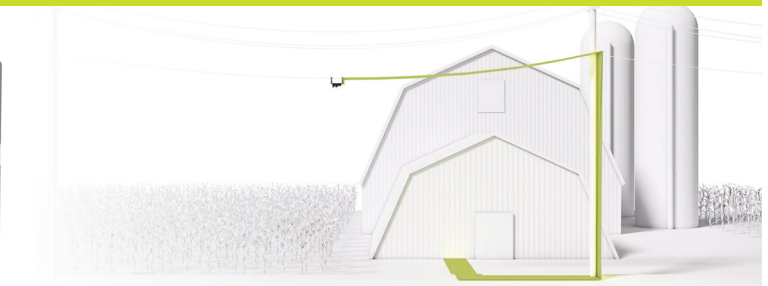
NOVUX multi-fiber terminals

- Ideal for multi-fiber applications
- Up to 12 ports
- 2 to 12 fibers per port



NOVUX optical tap terminals

- Reduce deployment costs in rural or low-density applications
- Plug-and-play 2, 4, 8 drops



NOVUX fiber indexing terminals

- Leverage innovative fiber indexing for new builds
- 12 and 24 fibers



[Learn more about fiber indexing](#)

Each terminal in these applications is from the NOVUX HT Series. They're designed to adapt to your application—sharing connection capabilities, a unique product information system, a mounting platform, and customer configurability. While NOVUX hardened terminals are helping build your network, they're building your long-term profitability, because one terminal works for all your applications in all your deployments.

The ultimate flexibility for plug-and-play FTTH solutions

NOVUX hardened terminals are available in a variety of configurations with a choice of full-size or Prodigy adapters.

| NOVUX hardened terminals | | | | | |
|--------------------------|--------------------------------|---|--------------------------------|--------------------------------|--|
| NOVUX HT | Technologies available | Small | Medium | Large | |
| HST Series | Single-fiber: P2P/no splitters | 2 ports | 6 ports | 12 ports | |
| | | 4 ports | 8 ports | | |
| | Single-fiber: P2P w/splitters | 2 ports, 1x1:2 | 8 ports, 2x1:4 | 12 ports, 3x1:4 | |
| | | 4 ports, 1x1:4 | 8 ports, 1x1:8 | | |
| | Hybrid for multi-use | | | 7 ports, 1x1:4 splitter, 3 P2P | 12 ports, 1x1:8 splitter, 4 P2P |
| | | 4 ports, 1x1:2 splitter, 2 P2P | 8 ports, 1x1:4 splitter, 4 P2P | | 11 ports, 2x1:4 splitter, 2 P2P, 1 HMFOC 4f |
| HMT Series | Multi-fiber | Up to 48f | Up to 96f | Up to 24f | |
| | | 2 ports, each 2, 4, 6, 8, or 12f | 6 ports, each 2, 3, or 4f | 12 ports, each 2f | |
| | | 3 ports, each 2, 4, 6, or 8f | 8 ports, each 2, 3 or 12f | | |
| | | 4 ports, each 2, 4, or 6f | | | |
| HTT Series | Optical taps | 2 drops | 4 drops | 8 drops | |
| HXT Series | Fiber indexing | 12 fiber index only, 1f | 12 fiber 1:4 | 12 fiber 1:8 | |
| | | 12 fiber index only, 2f | 12f multi-use 2f + 1:4 | 12 fiber multi-use, 3f +1:4 | |
| | | 12 fiber index only, 3f | 24f multi-use 2f | 12 fiber multi-use, 4f +1:4 | |
| | | 12 fiber index only, 4f | 24f multi-use 3f | 12 fiber multi-use, 2f +1:8 | |
| | | 12 fiber multi-use, 2f | 24f multi-use 4f | | |
| | | 12 fiber branching, 2 to 6f per port | | | |



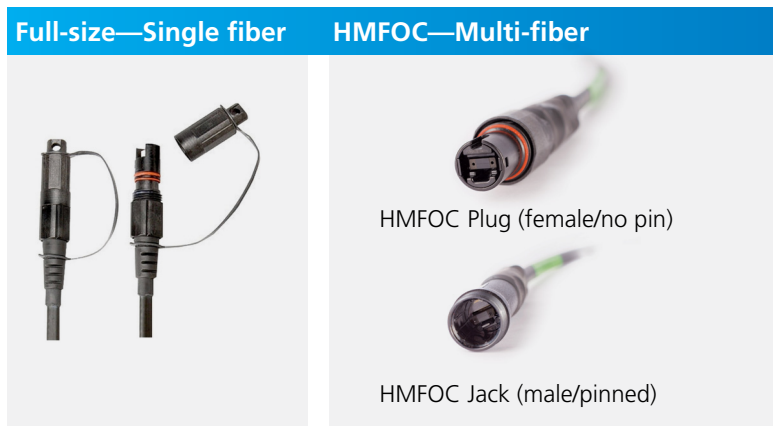
On-demand configurations are available. Contact your CommScope representative to discuss your specific needs.

One platform. Any deployment. Choose your connectivity and cable option.

NOVUX hardened terminal configurations:

- Full-size single-fiber connector
- NOVUX Prodigy single-fiber connector
- HMFOC multi-fiber (2-12 fibers) connector
- Full-size jack or HMFOC jack in terminal front ports
- HMFOC or full-size plug on terminated stubs
- Stubless versions with either HMFOC (12f) or full-size jacks in cable port

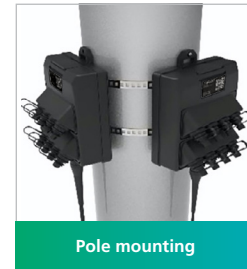
[Go to CommScope fiber cables portfolio](#)



| Terminal cable types | Cable sizes |
|---------------------------|-------------------------------|
| Flat dielectric | 8 mm W x 4.3 mm H |
| Flat toneable / locatable | 10.1 mm W x 4.3 mm H |
| Round armored | 8.0 cm (3.1") |
| Round dielectric | 5 mm (capability up to 18 mm) |

Ready for the field workforce of the future

Whatever the application, wherever you need to mount them, NOVUX hardened terminals are ready. The built-in mounting tabs and mounting strap features easy, direct mounting onto a strand, flat surface, pole, pedestal, or within a hand hole. Alternatively, to ease installation and maintenance, CommScope's universal mounting bracket can be used in all mounting applications. With one common platform, installation across the series is easy and efficient and is backed by consistent documentation and training.



Universal mounting bracket* attaches to the built-in mounting features on the back of the terminal

* Ordered separately



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

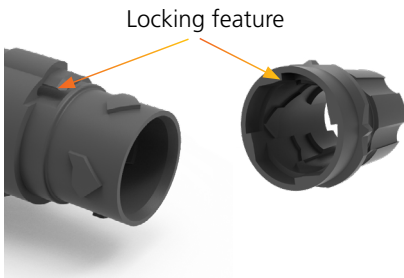


SC converter kit



- 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.



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.

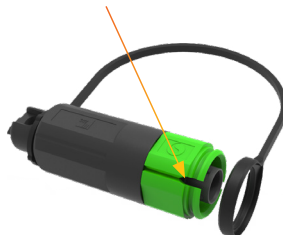
Keying feature on the connector



Guiding surface for self-alignment



"Breaking feature"



- 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

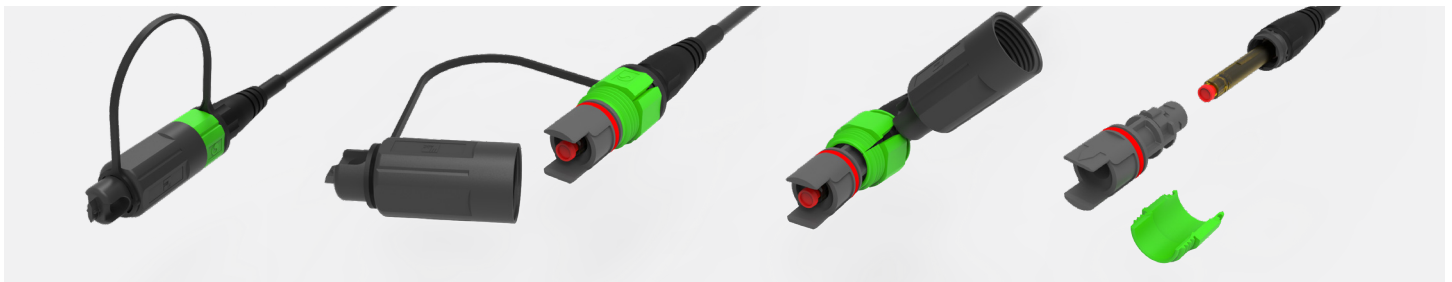
Vision for the future—trusted expertise to get there

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.

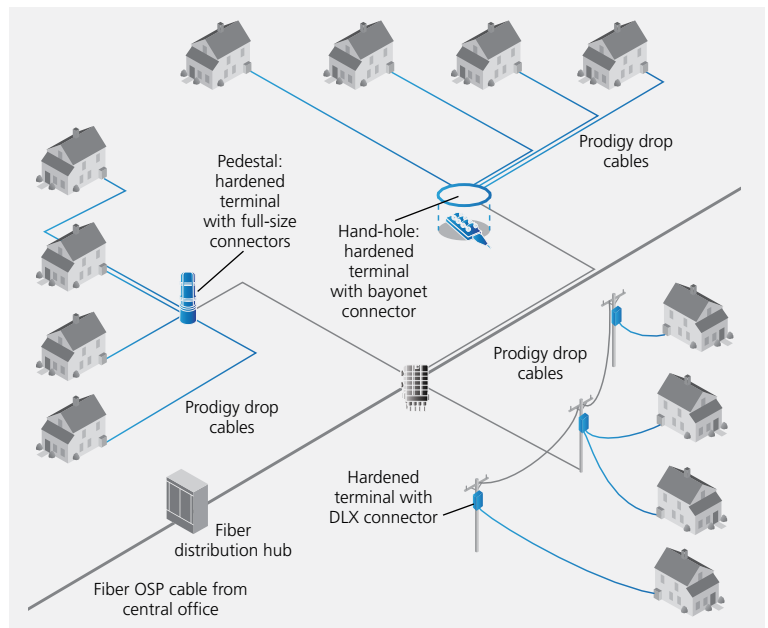


The Prodigy converter comes with a break-free feature. If an installer places the wrong converter on the cable assembly while in the field, the dust cap can be removed and used to break open the converter. By pressing down on a latch, the installer can release the converter body from the connector core,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



Unique network identification

One-click access to all product information

Each NOVUX hardened terminal comes with a QR code that allows field installers to access CommScope's cTrak app. With one click, cTrak provides a wealth of product information, specifications, installation instructions, videos, schematics, and test results.

NOVUX—built for you

You work hard to give your customers the best network connectivity. Why should your terminals look the same as those of other providers? NOVUX hardened terminals offer an optional customer-configurable ID plate, for ease of network record-keeping, and clarity for multiple operators that share locations.



[See how cTRAK works](#)

[Download cTRAK app](#)



Investing in the planet

CommScope designed NOVUX using sustainable practices for packaging, labeling and installation, helping customers meet their own corporate sustainability goals.

All components come in compact, convenient packaging for optimal environmental benefit and minimize single-use plastic.



NOVUX hardened terminals with fiber indexing



| Housing color | |
|---------------|-----------------|
| B | Black, RAL 9005 |
| G | Gray, RAL 7035 |

| Number of ports | |
|-----------------|---------|
| 2 | 2 port |
| 3 | 3 port |
| 4 | 4 port |
| 5 | 5 port |
| 6 | 6 port |
| 7 | 7 port |
| 8 | 8 port |
| 9 | 9 port |
| A | 10 port |
| B | 11 port |
| C | 12 port |

| Adapter type | |
|--------------|--------------------------|
| A | NOVUX Prodigy |
| H | Full-size |
| M | HMFOC jack (male/pinned) |

| Cable type* | |
|-------------|-------------------|
| A | Flat dielectric |
| B | Flat toneable 12f |

* 0-300 foot lengths of cable are coiled (option 000); for lengths greater than 300 feet, choose preferred option

| Configuration index | |
|---------------------|--------------------------------|
| A | 12f index only with 1f reverse |
| B | 12f 1:4 splitter |
| C | 12f 1:4 splitter with reverse |
| D | 12f 1:8 splitter |
| E | 12f 1:8 splitter with reverse |
| F | 12f branching 2f |
| G | 12f branching 3f |
| H | 12f branching 4f |
| J | 12f branching 5f |
| K | 12f branching 6f |
| L | 12f index only 2f |
| M | 12f multi-use 2f |
| N | 12f multi-use 3f |
| P | 12f multi-use 4f |
| Q | 12f multi-use 2f + 1:4 |
| R | 12f multi-use 3f + 1:4 |
| S | 12f multi-use 4f + 1:4 |
| T | 12f multi-use 2f + 1:8 |
| U | 24f multi-use 2f |
| V | 24f multi-use 3f |
| W | 24f multi-use 4f |

| Customization | |
|---------------|----------------------------|
| 000 | Standard (stub first) |
| 002 | Plastic spool (stub first) |

| Accessories | |
|-------------|----------------------------|
| N | No accessories |
| U | Universal mounting bracket |
| S | Strand bracket |
| P | Cable mounting bracket |

| Stub end | |
|----------|----------------------------|
| F | HMFOC plug (female/no pin) |

| Cable length | |
|--------------|----------------|
| 0020 | 20 ft, 6 m |
| 0050 | 50 ft, 15 m |
| 0100 | 100 ft, 30 m |
| 0150 | 150 ft, 45 m |
| 0200 | 200 ft, 60 m |
| 0250 | 250 ft, 76 m |
| 0300 | 300 ft, 91 m |
| 0350 | 350 ft, 106 m |
| 0400 | 400 ft, 121 m |
| 0450 | 400 ft, 137 m |
| 0500 | 500 ft, 152 m |
| 0600 | 600 ft, 182 m |
| 0750 | 750 ft, 228 m |
| 0800 | 800 ft, 243 m |
| 0900 | 900 ft, 274 m |
| 1000 | 1000 ft, 304 m |
| 1250 | 1250 ft, 381 m |
| 1500 | 1500 ft, 457 m |
| 1750 | 1750 ft, 533 m |
| 2000 | 2000 ft, 609 m |



Contact your CommScope representative for configuration availability.

Ordering information—accessories

| Catalog No. | Description | MOQ |
|------------------|---|-----|
| NVX-UMB-NN-SS-BK | Universal mounting bracket small—small actuator (handle) | 1 |
| NVX-UMB-NN-SM-BK | Universal mounting bracket small—medium actuator (handle) | 1 |
| NVX-CMB-NN-UV-BK | Cable mounting bracket | 1 |
| NVX-SMB-FD-NN-NN | Strand mounting bracket | 1 |
| NVX-PED-DB-NN-NN | Pedestal D bar mounting kit | 1 |



FHD single-fiber assemblies

- Full range of drop cables available
- Available in flat dielectric and flat toneable, 5 mm round cables
- Available with one or both ends connectorized
- Variety of lengths available
- NOVUX Prodigy drops

[Go to the FHD single-fiber drop cables](#)

MHD multi-fiber assemblies

- Full range of drop cables available
- Available in flat dielectric and flat toneable
- Available with one or both ends connectorized
- Plug—female, no pin
- Jack—male, pinned
- Variety of lengths available

[Go to the MHD multi-fiber drop cables](#)

NOVUX Prodigy single-fiber assemblies

- Full range of drop cables and converters available
- Available in EZ AXS dielectric, EZ AXS toneable, flat dielectric and flat toneable, 5 mm round cables
- Available with one or both ends connectorized with Prodigy core and converters either included or attached
- Variety of lengths available

[Go to the NOVUX Prodigy single-fiber drop cables](#)



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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