FTTH Façade Solution

A complete solution for FTTH façade applications
Making formerly impossible deployments possible

CommScope’s new Facade Solution technology speeds network rollouts in areas where underground work is difficult or impossible. Using cables and terminals installed on facades, our Facade Solution allows low-impact deployments in historic or protected urban environments. In low-density or rural areas, Facade Solution allows providers to defer CAPEX and invest gradually as the take rate grows.

CommScope’s complete FTTH facade solution brings together advanced, patented technologies and proven, high performance standards.

**Effective FTTH deployment alternatives**
- Villages and low-density urban areas where facade installations are allowed
- Historic areas where civil work is forbidden
- Areas with low take rates and preferred low initial CAPEX and deferred investments

**The new NOVUX™ SEC closure**
- Design optimized for building façade applications
- Connects as many as eight customers
- Agnostic to connectivity technologies (splice, connector, field-installable connector) for agility and flexibility

**New retractable façade cable solution**
- Advanced cable stripping technology
- Innovative water blocked cable with fiber pull-back option

**New cable-stripping wedge**
- Designed for simplicity and full fiber protection
- Easy, fast, controlled stripping of retractable cable
Bringing agility and flexibility to FTTH deployments

Click on a product to learn more..
New CommScope technology—for a complete Façade Solution

The new NOVUX™ SEC closure—optimized design for façade applications

- Brings agility and flexibility to deployments
- Innovative removable hinge design allows cover to open from the left, right, or top
- Concealment with gray and black colors
- Optional hinge locking mechanism for extra security
- Identification plate for either QR code or customer logo
- QR code links installers to CommScope cTrak® app for one-click access to all product information
New retractable façade cable—purpose built for horizontal mounting on a building’s outer façade

- Cable may be partially opened and single fibers retracted
- Fibers can be spliced in the NOVUX SEC closure, or routed to the indoor fiber wall outlet
- Dielectric indoor/outdoor distribution cable with loose buffer construction
- 24 fiber, G657.A1 and 750 µm loose strip buffers
- Outer jacket—black or white, designed for outdoor use
- Outer diameter: 9.2 mm

Tools and accessories

- Wrap-around design for easy installation with snap-fit and living hinge
- May be reused with rubber sealing technology
- Black and gray colors
- UV-resistant material
- IP55 and IK07 ratings

CommScope’s cTrak® app

cTrak® provides product specifications, installation instructions and videos, schematics, and test results

Get the app
Watch video
NOVUX™ SEC closure specifications and ordering information

<table>
<thead>
<tr>
<th>Specifications</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Orientation</td>
<td>In-line</td>
</tr>
<tr>
<td>Connectivity technology</td>
<td>Splice only</td>
</tr>
<tr>
<td>Splice capacity (SMOUV 45 type)</td>
<td>12 splices</td>
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<tr>
<td>Adapters</td>
<td>(N/A)</td>
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<tr>
<td>Splitter quantity</td>
<td>As many as 1 per tray</td>
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<tr>
<td>Feeder cable type</td>
<td>Retractable cable</td>
</tr>
<tr>
<td>Feeder port size</td>
<td>9-12 mm (rubber), 0.35 inch – 0.47 inch</td>
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<tr>
<td>Feeder port quantity</td>
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<tr>
<td>Branch port size</td>
<td>1.8-7 mm (rubber), 0.07 inch – 0.27 inch</td>
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<tr>
<td>Branch port quantity</td>
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</tr>
<tr>
<td>Drop port size, Single</td>
<td>1.8-7 mm (rubber), 0.07 inch – 0.27 inch</td>
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<tr>
<td>Drop port quantity, Single</td>
<td>6</td>
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<tr>
<td>Dimensions</td>
<td>210(W) x 117(D) x 50(H) mm</td>
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<tr>
<td></td>
<td>8.27(W) x 4.6(D) x 1.97(H) inches</td>
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<tr>
<td>Sealing level</td>
<td>IP 55</td>
</tr>
<tr>
<td>Color</td>
<td>Black RAL9005 or gray RAL7035</td>
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</table>

(*Upgrade kit includes one cover and two additional trays, and increases splice capacity from 12 to 36 splices.)

Ordering information

Size and color
- 3 100 Black
- 4 100 Gray

Sealing
- A Aerial, IP55

Connector type
- 1 SC/UPC
- 2 LC/UPC *
- 3 SC/APC
- 4 LC/APC *
- 5 Splice only

Number of adapters
- A None
- B 2
- C 4

Number of splices
- B 12
- C 24
- D 36

Number of pigtails
- 1 None
- 2 2
- 3 4

Mounting
- A None

Splice protector
- A SMOUV 30
- B SMOUV 45
- C ANT

Splitters
- 1 None
- 2 1:2
- 3 1:4

Visit www.commscope.com product catalog for configuration availability
Distribution closures

Whatever your application needs, CommScope has a fiber distribution closure that will speed your deployment and bring future flexibility to your network.

**TENIO closures**

Feature modular building blocks and combine proven fiber management hardware with a superior sealing system to simplify training and reduce inventory.

- Single-ended closure for splicing feeder, access, and drop cables
- As many as 144 (12 x 12 fibers), 192 (8 x 24 fibers), or 288 (12 x 24 fibers) fiber splices
- Modular closure platform allows phased network deployment, lower initial CapEx
- 100 percent mechanical, tool-less, intuitive design assures rapid installation and easy on-going maintenance by less technical workforce
- Industry-renowned FIST fiber management system leading up to 30% faster and more intuitive fiber routing and installation
- Gel cable sealing technology allows easy adding or removing of a wide size range of cables
- Compatible with most common cable types: e.g., loose tube, central core, ribbon fiber

**Splice closure in-line (SCIL) series**

Configured to be in-line with the network feeder cable; suitable for many locations.

- Suitable for hand holes below ground, on the side of a building, or hung on a strand between poles
- Superior gel technology that seals a wide range of cable sizes to help prevent water and contaminant ingress; IP68 rated
- Cable termination and retention system fits any cable type from traditional loose tube buffered to small microsheath cables
- Maximum number of cables supported from 10 (SCIL-A), to 24 (SCIL-B)
- Fiber splice capacity from 48 (SCIL-A) to 288 (SCIL-C)
- Storage baskets for looped fiber cable
- Closure opens and closes with side latches for quick re-entry

Go to Fiber splice closures brochure

**Compact drop closure OFDC**

Single-ended fiber closures for splicing feeder, access, and drop cables.

- For aerial, pedestal, and underground (as deep as 2 meters) environments
- Individual access to drop cable connection area and separate zones for looped cable storage for most cable types
- Allows easy pass-through cabling and integration of optical components, even at later deployment stages
- Gel block with spring loading for cable seal
- Drop cables terminated individually
- Integration of optical splitters possible

Go to optical fiber distribution closures brochure
A complete range of fiber cables for any urban FTTH deployment

CommScope’s outside plant fiber cables are made with high-performance, standards-compliant materials. Their standard jacket material is polyethylene, which provides a rugged, durable finish. Our cable portfolio includes both armored and dielectric designs, available with dry or gel-filled tubes. Whichever cable you choose, our design and construction techniques mean every cable we ship delivers:

- Superior mechanical and optical performance
- Rapid deployment and operational efficiency
- Unmatched stability and quality

Outdoor drop cable, gel-filled loose tube
- 1 fiber G657 A2—green inked
- 900 µ semi-tight buffer (strip >100 mm)
- Water-blocking yarns and E-Glass strength members
- Tube diameter—2 mm
- Outer diameter—5 mm, black or white, CPR rated Dca

Outdoor drop cable, gel-filled loose tube
- 1 fiber G657 A2—green inked – 250 µ
- Water-blocking yarns and E-Glass strength members
- Tube diameter—1.5 mm
- Outer diameter—4.50 mm, black, CPR rated Dca

Outdoor drop with indoor subunit
- Non-armored for aerial, underground (duct), and façade application
- 1-, 2-, or 4-fiber version G657A2
- Sub-unit: 2 mm, white, indoor with 900µ buffer
- Outer diameter—5 mm
- Black color, UV stabilized
- Tensile load, long term: 400 N

All-dielectric indoor/outdoor cable
- Dual jacket cable HDPE, inner jacket LSZH
- 1 fiber G657A2/B2
- 900 µ semi-tight buffer
- Gel free
- Water-blocking and aramid yarn
- Outer jacket diameter 5 mm; inner jacket 2.9 mm
- Ivory color, UV stabilized
- Tensile load, long term: 30 N

RealFlex® 3 drop cables
- Available in outdoor and indoor configurations
- Can be stapled, allowing for fast and easy installations, (with CommScope stapling system)
- Rugged, flexible, and durable—for the most demanding applications

Go to fiber cables portfolio
The ideal optical splitters for façade applications

CommScope OCC1P series optical splitters are perfect for urban façades
- Wideband, planar lightwave circuit (PLC)
- Singlemode, 1:2, 1:4, or 1:8 symmetrical split ratio
- 250 µm cable, unterminated

A legacy of technical innovation, bringing agility and flexibility to your network

We’re proud to introduce our new FTTH Façade Solution, patented technology giving our provider partners a powerful alternative for deploying FTTH to villages and low-density urban areas. For deployments where underground work is cost prohibitive, our Façade Solution allows providers to respond quickly to subscriber demand with fast and easy installations. Our FTTH Façade Solution is simply part of the evolution of network technology that CommScope has led for more than four decades. So, when it's time for new builds, upgrades, or expansion, you can trust CommScope to deliver the design excellence your network needs.
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.