



CORNING

Maximize the Success of Your MDU Installations

FTTx Solutions for Multidwelling Units



Resolve the Multiple Challenges of MDUs

When it comes to connecting residents of multidwelling units (MDUs) to the fiber communications they want, you're faced with multiple choices and challenges. Bringing fiber into each building, floor, and individual unit is no simple task — especially with widely varying MDU structures and equally varied restrictions on the deployment of fiber, both outside and inside the building.

There's no one-size-fits-all answer. But there is help. You need a customized solution and a collaborator with the expertise to simplify your challenges; that way, you can deliver the competitive fiber communications subscribers expect.

Whatever your challenge, we have the solution.

Corning Connects You to Multiple Advantages

An industry-leading supplier of fiber-to-the-home (FTTH) product solutions, we bring decades of fiber experience connecting more than 45 million homes – including MDUs – to fiber communications. In that time, we've collaborated with operators to help them deliver the competitive fiber experience their customers demand.

Here's What You Get When You Collaborate and Customize with Corning

We understand there is no single ideal fiber installation solution for MDUs. Not only do they differ in appearance and construction, but expectations are unique for each deployment.

MDU properties previously thought to be too complicated are now potentially among the most highly sought after FTTH environments. And they often present a great challenge – finding the physical space to support the required infrastructure. This is particularly true of mid- and high-rise buildings in large urban environments – where available interior space is at a premium, as much of it has been converted and/or renovated into more usable space over the years. Pair these physical challenges with expectations of pleasing aesthetics and low intrusion, and you have quite a conundrum.

We are here to help

Regardless of building size, type, or deployment conditions, Corning has a solution to meet your MDU installation requirements.

Our range of MDU solutions includes product offerings for small, medium, or large buildings and allows the building planner to determine how much preplanning is needed before installation. Deployment speed and the level of skill required are also important considerations in MDU deployments, and our MDU solutions were designed with these factors in mind. Whether splicing or preconnectorized, indoor or outdoor, large or small installations, Corning has the MDU solution to fit your scenario.

If you're searching for an easy, unobtrusive indoor fiber deployment solution, our new Clear Track Fiber Pathways can meet the challenge. These clear, adhesive-backed, small-footprint fiber pathways and 900 µm clear fiber are virtually invisible and benefit deployments

in both single- and multifamily units by simplifying the installation process to a few hand-held tools. Technicians can use the all-dielectric FTTH clear fiber drop cable to transition from outdoors, where ruggedness is required, to indoors, where aesthetics are desired, without the need for a splice or connection point.

It's easy to see – new Clear Track Fiber Pathways offer a clear advantage! Learn more about this virtually invisible way to deliver ultra-high-speed Gigabit broadband to the MDUs by visiting [corning.com/cleartrack](https://www.corning.com/cleartrack).

We understand ...

- You may be adding fiber to an existing structure, or taking it all the way to the unit; the right migration path and the right mix of products matter
- How the speed of network installation affects the ROI in all kinds of network deployments
- The different types of MDU properties for business and residential customers
- The role aesthetics, labor skill levels, and access to rights-of-way play in architecture and product selection

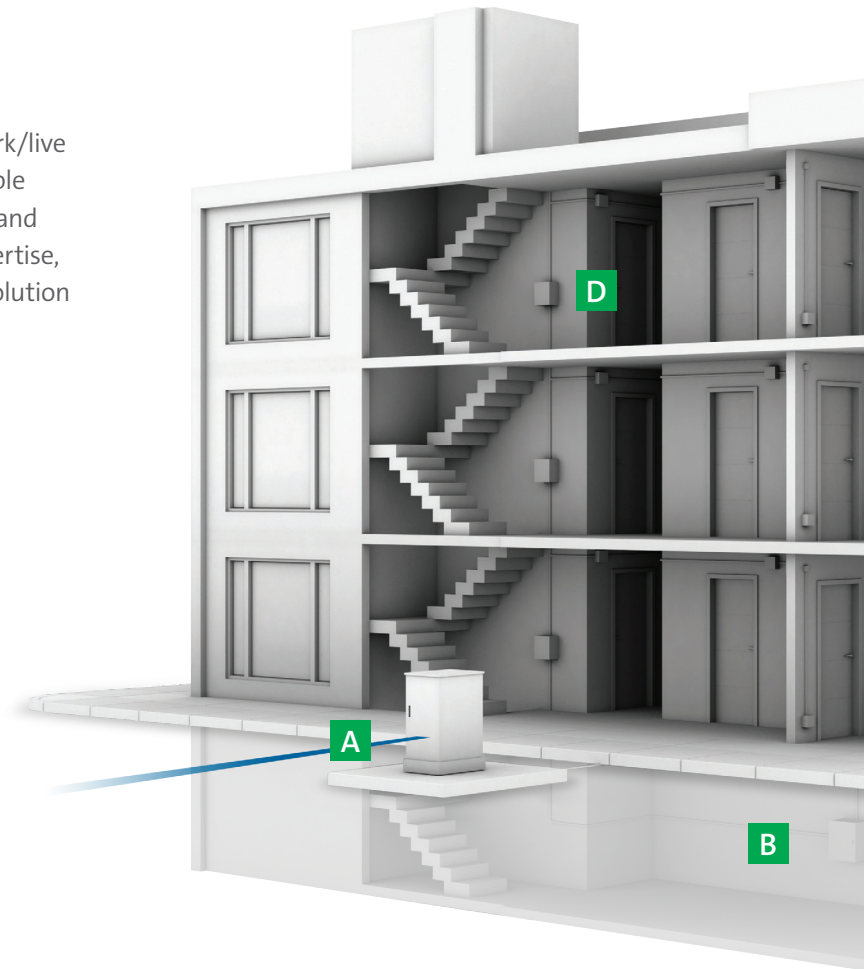
Leverage our range of MDU product solutions, backed by the expertise we have gathered from global MDU deployments, to meet the ever-increasing consumer demand for bandwidth.

Flexible Options to Fit Your Needs

From high-rise buildings to historic brownstones, small condos to work/live lofts – every MDU is different. We've innovated a wide range of flexible solutions to address the varying requirements of MDU architectures and environments. Leveraging our field-tested experiences and MSO expertise, we'll help you find the right mix of connectivity products to build a solution that works for your unique challenges and needs.

Challenges in an MDU Environment

- Every building is different, with unique access, distribution, and routing requirements
- Existing ducts may be full, unusable, or not continuous
- Limited space in the basement and floors for hardware and cable management
- Impact on tenants
- Tight timelines and interfacing with builders



Fiber in the MDU Environment



A Outside Demarcation Point

Most MDU scenarios will feature a demarcation point outside of the building.

B Inside the Basement

Medium- to large-sized buildings often have a dedicated splitter cabinet supporting anywhere from 32 to 864 living units.

C At the Floor

Riser cables feed terminals on the floor and serve as the transition point from riser to horizontal cabling. Some buildings require a dedicated terminal on each floor, whereas other buildings can utilize one terminal to service several adjacent floors.

D Inside the Living Unit

In large to mid-to-large MDUs, horizontal drop cables run down hallways, providing an access point for subscribers to connect. In small MDUs, drop cables home run to the cabinet/splitter terminal.

Regardless of MDU Scenario, Corning Has Your Fiber Solution



Garden Style

Discrete drop cables home run to each subscriber from a small terminal, often fed from a larger splitter cabinet elsewhere in the neighborhood.



Low-Profile Terminal



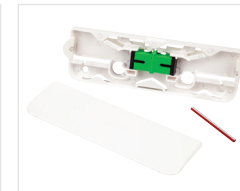
Corning® ClearCurve® Ruggedized Drop Cable Assemblies



OptiSnap™ with CE Field-Installable Connector Toolkit



MDU Terminal



12-Fiber Micro-Module



Clear Track Low-Profile Wall Plate with Shuttered Adapter



High-Rise Indoor

Fully preconnectorized MTP®-based solutions allow for rapid deployment of riser to basement with compact footprint.



CE Series Splitter Cabinet



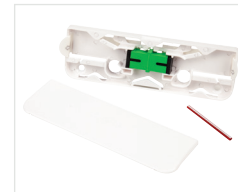
RPDpass® Riser
Cable Assembly



Riser Distribution Terminal
Housing



Clear Track Pathways
Hallway and ILU



12-Fiber Micro-Module



Clear Track Low-Profile Wall Plate
with Shuttered Adapter

Let's Talk.

There are many ways to deploy fiber to MDUs. We are ready to collaborate with you to customize the right mix of products for your specific MDU environment, challenges, and needs. Contact a Corning representative today to discuss your vision for your network, and how we can help you realize that vision with the right strategy, expertise, and customized products innovated just for you.

To get connected to an expert/sales engineer, please call our customer care department at 800-743-2671.

corning.com/opcomm/mdu

The Corning logo consists of the word "CORNING" in a white, serif, all-caps font, centered within a solid black square.

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