



CORNING

Flexible fiber construction in the Finger Lakes region

Why GoNetspeed relies on FlexNAP™ cables, and the best practices they've discovered

GoNetspeed fiber install in an ILEC area

In 2021, OTELCO, OTTC, Upstate Fiber Networks, Lantek, GoNetspeed, and Icon decided to bring decades of experience across a variety of technologies together to create something new. With a legacy of innovation and a commitment to unparalleled customer service, we are

excited to accelerate the expansion of fiber networks throughout the East. Together, we'll deliver more fiber, more access, more speed, and better reliability across our footprint. Together, we are the new GoNetspeed.

Around that time, GoNetspeed's Senior Director of New York Operations Chris Brooks started hearing about Corning's FlexNAP™ technology. At a demonstration in

North Carolina — where he saw field installations — Chris was convinced to try out FlexNAP as GoNetspeed prepared to construct fiber in their second ILEC town, Clifton Springs.

Speed to market is reason number one

Phelps and Clifton Springs are very similar — Phelps has a population of a little over 1,800, while Clifton Springs (less than five miles away) has a population of just over 2,100. A Corning representative joined Chris and GoNetspeed’s construction crews on the first day of construction in Clifton Springs. On that first day installing FlexNAP™ cables, they delivered service to their first customer in Clifton Springs. As Chris remembers it, “We started around 8 in the morning, and around 2:30 we turned up the first new customer.”

From the start, Chris saw the benefits of preconnectorized components. Using traditional fiber for their first build in Phelps, GoNetspeed incurred extensive splicing costs as they home runned the entire fiber network back to their central office, to several 1x16 splitters. In the CLEC markets, GoNetspeed shifted the architecture design to a distributed split system using terminals with 1x8



interior splitters. The GoNetspeed team discovered that the cost saved on splicing brought in the project under the expected budget. But Chris describes the most important factor of all: “Speed to market is the top reason we use FlexNAP.” The story of Phelps and Clifton Springs says it all.

The deployment in Phelps took GoNetspeed just under six months, while the FlexNAP deployment in the similarly sized Clifton Springs took three weeks.

Expansion made easier, plus discoveries made on the way

Today, GoNetspeed is expanding into areas where customers are underserved — typically communities in which customers’ only choices are expensive, unreliable cable internet, or antiquated, slow DSL. Beyond the ILEC, GoNetspeed looks for communities with a fairly dense concentration of housing — for example, communities in the Finger Lakes of New York and some suburbs of Buffalo. The FlexNAP system makes deployment to these areas much faster.

As GoNetspeed grows, they have gained valuable insights in how they plan FlexNAP designs:

Count carefully. Rather than rely on online documentation regarding the number of living units in a particular area, GoNetspeed’s engineers drive the route and hand count apartments, living units, and electric meters to assess the true number of homes. This method helps avoid unexpected





surprises when it comes to multi-dwelling units (MDUs).

Use extra fibers. Chris recommends that FlexNAP users add extra fibers in their cable; don't just meet the present needs but plan for the future needs of the network. For example, if a particular route requires 24 fiber strands, GoNetspeed will install a cable with 36 or 48 strands. Chris tells the story of a young GoNetspeed engineer who said to him, "I'm designing this network so I'll never have to overbuild in my career, even fifty years down the road." The cost difference is minimal, and the foresight is priceless.

Count poles by air. GoNetspeed realized that, in a given community, they might end up replacing up to 30% of the poles as they built the fiber network. These replacements sometimes resulted in measurement issues. Now, rather than hand-surveying pole locations, GoNetspeed relies on Aerial LiDar technology. Using just a little slack in their FlexNAP cable, GoNetspeed saves both time and money.

Armor your cable. Given their previous experience in fiber construction, GoNetspeed always uses armoring for their FlexNAP cables. This added safety measure provides extra protection against weather events, nibbling squirrels, and other mishaps.

GoNetspeed relies on the FlexNAP system for nearly all of their expanding fiber footprint—even less dense areas with new advancements in the connectorized portfolio. The improvements in speed to market, total cost savings, and the adaptable component technology have made FlexNAP systems essential to GoNetspeed's team as they connect more and more New Yorkers to life-changing fiber internet.

"Speed to market is the top reason we use FlexNAP."

Learn more about **GoNetspeed**

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Learn more about FlexNAP system at [corning.com/flexnap](https://www.corning.com/flexnap)

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