

# MAXCELL® CASE STUDY

## *MaxCell in a Campus Setting*

One of the greatest challenges for institutions when planning for new construction or renovations of an occupied building is how to cost effectively complete the project with minimal impact to the surrounding buildings and environment. Installing network infrastructure in these settings can be challenging. Digging and trenching not only disrupts services and traffic on nearby roadways, it is also time consuming and expensive.



### **Problem:**

As part of their ongoing plan to grow through new and expanded facilities, a campus location in busy downtown Cleveland had a construction project which included two new buildings being built on an existing campus. Both buildings would offer students cutting-edge technology for an enhanced learning environment. The building site was along a busy roadway where space was at a premium and the organization needed to limit the disruption of services. Having used MaxCell in other campus buildings and upgrades over a ten year period prior to this project, the customer was sure it would be a fit for this latest construction venture.



### **Solution:**

The MaxCell team proposed a pathway design that reduced the need for permits and right-of-way delays and allowed for the project to be completed in a much faster time frame. This design was the perfect fit for this smaller run size, a total run distance of 1,090'. MaxCell 3" X 3-cell was used for the project and a 188-count fiber was installed to connect the two new buildings. With MaxCell tripling the capacity within the conduit, this left eight (8) additional pathways open for future use and will eliminate any future need to dig or add more conduits.

### **Conclusion:**

Plan for the data center of tomorrow when building today with MaxCell Edge! MaxCell, the flexible fabric innerduct, allows high cable density in a pathway while preserving space for future bandwidth expansion. MaxCell's unique fabric construction conforms to the cables placed within, greatly reducing wasted space.

From curb to building or ISP, MaxCell flexible fabric innerduct excels in all applications. Available in sizes from 1" to 4", MaxCell adds pathways quickly and is installed easily and cost effectively.

**The bottom line: MaxCell helps you expand capacity today, preserves space for future bandwidth requirements, and reduces total project costs.**