



CORNING

Surry Telephone Case Study

The Challenge

Surry Telephone Membership Corporation is a locally owned and operated cooperative in Dobson, North Carolina, offering telephone, internet, television, and security monitoring services for businesses and residential customers.

In order to deliver IPTV to customers in a remote area of the Piedmont region, Surry needed to add bandwidth and capacity at its central office – without taking up additional space – to optimize its network’s capabilities.

With 864 fibers already in the field, Surry simply needed a cost-effective, space-optimizing solution for terminating and patching all that fiber into its central office.

The Breakthrough

Enter Corning and our Centrix™ System.

Centrix is a high-density fiber management system that combines industry-leading termination density with innovative jumper routing. The system can be deployed in multiple applications including: central office and FTTx.

The building block for the Centrix system is a modular cassette, which contains 24 SC or 36 LC connector adapters. This single-cassette modular design is ideal for efficient on-frame splicing

and optical device integration (i.e., WDM, splitters, test ports, etc.), and cassettes can be ordered blank or pigtailed for in-cassette splicing. A standard 4U housing will hold 12 cassettes, and housings can be ordered preloaded with cassettes and stubbed, which can reduce installation time and risk.

The Centrix system helped Surry achieve more density in its optical cross-connect cabinet for a smaller overall footprint, and it provided one platform for use across multiple optical network applications. With the increased density, Surry deployed more ports per square ft – at an attractive per-port cost – and increased its overall frame real estate.

The Result

Corning’s Centrix system enabled Surry to maximize its existing fiber count without the need for a larger cabinet or new structures to house larger panels, significantly reducing the overall project time and reducing the cost of the project by as much as 50 percent vs. our traditional solutions.

Meeting budget and timing parameters enabled Surry to quickly connect customers with dense, reliable IPTV, delivering on its commitment to bring the Piedmont the latest in technology, as it’s done since 1951.