

## AFL Installation of Structured Cabling and Certification of Fiber, Copper and ControlNet Infrastructure

### Summary

AFL provided structured cabling installation management and performed all terminations to achieve a certified copper and fiber network with a 25-year warranty. AFL also took on the task of installing, terminating and certifying the ControlNet (or PLC) coax network.

### Challenge

The client's dedication to safety and performance is second to none. They have very strict policies that allow only the safest and most competent contractors to work on their projects. The problem was finding a contractor with proper credentials, safety record and that could certify their network in the solution that they had selected. Additionally, the client wanted a 25-year warranty on the network.

In its response to the client, AFL outlined several key factors that led to the win:

- a history of providing first-class service to AFL customers;
- an international manufacturer with similar standards as the client;
- policies that ensure all AFL employees comply with safe work practices;
- certified partner to most of the top network infrastructure equipment manufacturers.

### Solution

AFL supervised the installation of all network cabling so that it was done to BICSI standards and the manufacturer's specifications to ensure optimal performance. AFL performed all of the terminations and certified both the copper and fiber networks to the proper standard.

During the course of the project, it was discovered that the work to complete the ControlNet (or PLC) coax network was not contracted. PLC coax networks consist of many nodes, splitters, and branches. Each one can handle only a certain number of connections. Most are never tested for performance because there is no testing standard for coax. AFL stepped up to the plate and completed the PLC network in addition to the other project requirements.

### Results

The client's goal of a 25-year manufactures warranty was achieved since AFL is a certified partner of the specified manufacturer. Additionally, AFL was told by the PLC manufacturer's engineer that it was one of the best installs he had seen. AFL's PLC coax network was built correctly, neatly and tested before the PLC engineer arrived at the site which made his work on the project much easier.

