

## Cable Trays

### How Protectowire can provide early detection in cable trays.

Cable trays are structures that distribute and support cables used for power distribution, control, and communication from a source to the point of use. Because they serve an integral purpose in many businesses, cable trays can be found in almost every commercial or industrial facility. Cable trays can hold many different types of cable, which means that there are several ways a possible fire condition can occur. They can be subject to electrical faults, sparks from welders' torches, and embers, all of which can cause a fire and lead to costly damage if the cable trays are not properly protected.

Protectowire Linear Heat Detectors can be used to detect fire conditions in cable trays regardless of what kind of cable they support. In this application, the proximity detection and transition from horizontal to vertical runs required to ensure proper protection is simple and cost-effective using Protectowire Linear Heat Detectors.

The Protectowire PHSC-XCR or CTI-X series detector is recommended for protecting cable trays as the fluoropolymer outer jacket provides excellent resistance for the different environmental conditions and the contents cable trays are subject to. The detector is typically installed in a sinusoidal pattern and supported using spring clips. Protectowire recommends using 3 spring clips to attach the wire to cable trays, the HPC-2, CC-2, and CC-10.

No matter what kind of cable is being held in a cable tray, Protectowire FireSystems offers the necessary and cost-effective solution to minimize costly damage caused by a fire condition in cable trays.

#### Questions?

If you have further questions please visit [protectowire.com](https://www.protectowire.com) or call **781-826-3878**.