

Protecting a Gondola

How one gondola in Europe used Protectowire to protect the aerial lift.

Skiing is a popular winter activity many enjoy during the colder months. Despite being a snow-based sport, there is still the risk of a fire condition in the structures associated with skiing. One of the many causes of fires in cableways is the risk of buildings below the lift catching fire and spreading to the chairs, possibly injuring anyone using the lift. If a fire condition happened in a building below, the pull rope on the lift could cause damage when the train is moving or standing.

One aerial lift in Europe installed Protectowire PHSC to minimize damage caused by a possible fire condition. For this particular application, the Protectowire Type XCR Detector was used. This detector is recommended for this application because of its high performance fluoropolymer jacket which is designed for exterior environments. This jacket also provides chemical, abrasion, UV and general weather resistance as well as high temperature performance.

Every cable railway installation is different, however, in this case, the PHSC-XCR was installed along existing steel cable throughout the circulating rope. Protectowire PHSC was also laid out in the buildings and stables below the route of the lift in the hopes that if a fire condition did occur in one of these structures, it would be detected before it reached the cars.

In the event that a fire did occur, the Protectowire would detect this condition and the railway operator would stop immediately at the nearest available station to let the passengers off of the lift, avoiding any injury to passengers or unwanted costly damage to the lift itself.

Gondola cableways such as this one are just one of the many unique applications in the transportation industry for which installing a Protectowire Linear Heat Detection System can help ensure the safety of passengers and protection against severe damage to the mode of transportation itself.

Questions?

If you have further questions please visit protectowire.com or call **781-826-3878**.