



Linear Heat Detection

LHS™

Linear Heat Sensor Cable

Rugged, Adaptable Detection for Atypical Applications

Comprehensive Coverage

LHS™ Linear Heat Sensor cable is a flexible, durable and cost-effective fixed-temperature detector that is suitable for protecting a wide range of commercial and industrial applications. LHS™ Cable comes in a variety of cable jackets and operating temperatures allowing you to select the perfect cable-type for a particular job. The LHS™ Cable detects heat from a fire over its entire length and it can be connected directly into the fire panel initiating circuit, eliminating the need for extra, costly equipment.

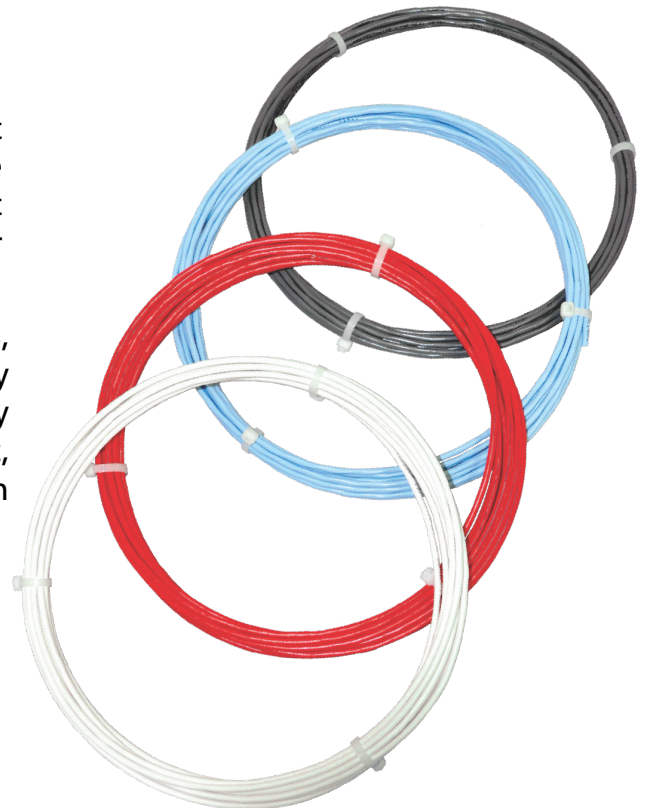
Why Choose LHS Cable?

Your Environment is Not Suited for Spot Detection.

Environmental factors can make it tough to protect valuable assets from damage due to fire and smoke. Kidde Fire Systems LHS™ is ideal for applications where ambient conditions prohibit the use of spot-type smoke, flame or heat detectors.

It's Too Dirty: Many applications such as coal conveyors, manufacturing processes, barns and stables are too dirty for spot-type smoke or heat detection. Detectors can easily become clogged by the unavoidable environment dirt, resulting in false alarms, or worse, lack of detection when it's really needed.

It's Too Hot or Cold: Spot-type detectors are typically designed for ambient temperatures between 32°F and 120°F. Applications such as aircraft hangars and cold storage warehouses routinely exceed this temperature range. Linear Heat Cables are designed with extreme temperature ranges in mind, making them the perfect solution for applications where detection is needed, but ambient conditions are outside the limitations of traditional spot-type detectors.



Why Choose LHS Cable? continued...

It Has Physical Limitations: Vehicles, floating roof oil tanks and cabinets are just a few examples of applications where physical limitations prohibit the use of spot-type detection. Linear Heat Detection solves the problem with its extreme flexibility and the almost unlimited possibilities for physical configurations. Linear Heat Sensor Cable can be wrapped around machinery or arrayed across a ceiling. It can fit into small spaces or be run across wide spaces. With Linear Heat Sensor cable your most challenging fire protection applications may become your easiest.

You Have a Linear Application

Linear Heat Detection is specifically designed to protect long distances. It is ideal as protection running the length of a tunnel or along a cable tray. Remember, unlike spot-type detectors, Linear Heat Detection provides a consistent level of protection along the entire length of the cable, regardless of the application size or configuration.

You Want Your Project to Be Cost Effective

Linear Heat Detection is valuable simply as a flexible, tolerant product for heat detection, but there's more...its value grows when designers realize it's cost-effective as well. When installed with intrinsic safety barriers, Linear Heat Detection is outstanding for use in classified hazardous areas, giving comprehensive coverage without the expense of installing a myriad of explosion-proof spot detectors, conduit and wiring. Continuous, consistent protection at an affordable cost makes Linear Heat Detection a winner when designing for difficult applications where environment is an issue.

Available In Two Jacket Types

- EPC (Extruded Polyvinyl Chloride) – is a durable flame-retardant vinyl outer jacket designed for interior commercial and industrial applications. Features of this jacket include low moisture absorption, resistance to many common chemicals, and excellent flexibility at low temperatures. Polyvinyl Chloride jacket are best suited for multi-purpose/commercial and industrial applications
- XCR (Extreme Corrosion Resistance) – is a high-performance fluoropolymer jacket designed for both interior and exterior environments. Features of this jacket include excellent chemical resistance, abrasion resistance, weather resistance, and high-temperature performance. XCR is the only heat detector that is FM-approved for corrosive environments. Fluoropolymer Jacket is best suited for high performance industrial applications.

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Approvals & Listings:

- FM Approved
- UL Listed
- CSFM Approved

Typical EPC (PVC) Jacket Type Applications:

Cold Storage
Self Storage Units
Car Parks & Parking
New Construction
Renovation
Animal Housing
Tunnels
Covered Bridges

Typical XCR (Fluoropolymer) Jacket Type Applications:

Cable Tray
Cooling Towers
Solar Panels
Switch Gear & Electrical
Airport Industry
Metro Stations
Subways
Railway Bridges
Vehicle Systems
Escalators
Rolling Stock
Elevators
Marine Vessel
Roadway Tunnels
Offshore Platforms
Pipelines
Refineries
Storage Tanks
Conveyers
Heavy Equipment
Waste Management
Glove Boxes



Sell Sheet SS K-105