Linear Heat Detection Cables - Alarmline 2:

Alarmline 2 Digital LHD Cables: (NOT self restorable)

Comprises a twin-conductor "switching" cable with temperature-sensitive insulation protected by a special sheath. It operates by melting of the insulation between the conductors at a pre-determined temperature. This creates a short circuit which is detected by a simple electrical device, which in turn provides a fire alarm signal. Fault conditions are detected by continuous monitoring for an open circuit state Cable control is permanent.
A safety barrier may be used in Ex-areas.

Main applications: Storage Tanks, Dryers, Car Parks, Escalators, Floating roof tanks,Tunnels,
Warehouse racking, Pumps, Silos, Tranformers, Vehicle engines

Available Alarm temperature: 68 °C, 88 °C, 105 °C, 185 °C, 240 °C

Digital LHD Cable Isolations:
PVC outer sheath, Nylon outer sheath, PVC coated cable with Polypropylene outer sheath,
PVC coated cable with Stainless Steel outer braid

Alarmline Cables are supplied only in: 100 m, 500 m or in 1.000 m increments

LICO Alarmpanel to control Alarmline Digital LHD cables

Alarmline 2 Analogue LHD Cables: (self restorable)

4-wire system: - Consists of a four-conductor cable surrounded by an outer sheath of PVC. A change in temperature produces a change in resistance, which is monitored by an Alarmline Control Unit, which in turn actuates an alarm signal at a predetermined level. The cable is continuously monitored for open and short circuit fault conditions. It detects either a localised hot spot or a lower level of temperature increrase over the entire length. *It is recoverable after operation if the cable is not damaged or burned.
Approvals:Vds and/or FM depends on type of cable

Main applications: Storage Tanks, Dryers, Car Parks, Escalators, Floating roof tanks,Tunnels,
Warehouse racking, Pumps, Silos, Tranformers, Vehicle engines

Analogue LHD Cable Isolations:
PVC coated (red), Nylon coated, Polypropylene coated,
PVC coated cable with Stainless Steel outer braid,
Nylon coated with Stainless Steel outer braid

Alarmline Cables are supplied only in: 100 m or 500 m increments

Control Units:
Analohue LHD Control Unit - Self Programmable,
Analohue LHD Control Unit - PC Programmable with USB cable,

Analogue LHD Control Unit: Self Programmable

Analogue LHD Control Unit: Self Programmable

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Linear Detecion Cables: SIGNALINE

Signaline Heat Sensing Digital Cables:

(NOT self restorable)

Signaline Fixed Temperature Heat Sensing Cable (Signaline FT) detects a build up of heat anywhere along its length. When any point along the length of the cable reaches a predetermined temperature an alarm is initiated.

Signaline FT is available in four different temperature settings and two outer cover options making the Signaline FT suitable for use in a very wide range of applications.

Signaline FT is comprised of two steel conductors individually insulated with a heat sensitive polymer that are twisted together. At the rated temperature the heat sensitive polymer insulation breaks down permitting the steel conductors to move into contact with each other. This forms a closed switch contact that can be used to signal an alarm condition at the control panel.

Signaline FT cable can be installed in hazardous areas when suitably protected by an intrinsically safe barrier.

Main applications: Hazardous Areas, Power plants, Boiler rooms, Road- and Acess tunnels, Train applications, Engine rooms, Cable ducts, Airports, Underground (metro) applications and many more...
Available Alarm temperature: 68 °C (155 °F), 88 °C (190 °F), 105 °C (220 °F), 185 °C (365 °F)

Signaline Cable Isolations:
Standard PVC coating, Nylon coating for increased UV and chemical protection, Stainless steel outer braid for excellent mechanical protection and where a very rugged product is required.

Signaline HD Analogue Cable: is fully resettable EN54 compliant

VdS approved heat sensing cable. It is ideal for use in confined spaces where access is restricted such as escalators, cable tunnels and shafts.
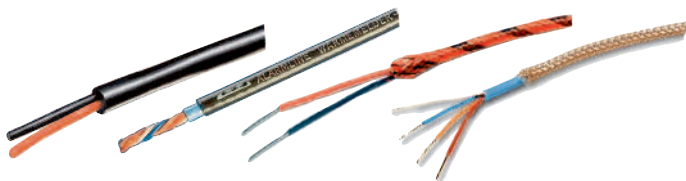
Signaline Controllers:

All Signaline HD Heat Sensing Cables (Signaline HD) must be used with a Signaline HD Heat Sensing Cable Controller (Signaline HD Controller). Signaline HD Controllers are very simple and easy to use and there are three models to choose from:
- Signaline SKM-03; EN54 compliant for use with conventional systems (VdS approved)
- Signaline SKM-03UK; generate alarm when 1m of cable reaches 60°C or 80°C
- Signaline SKM-95; EN54 compliant loop power controller for use with Apollo XP95 addressable systems (VdS approved)

Wide range of Heat Sensing cables!   Alarm Point Distance locator   HD controller