

H9650

LINEAR HEAT DETECTION (LHD)
(240°C, 464°F Nominal)

LINESENSE

Fire Detection Ltd



General

The simple and proven technology of digital Linear Heat Detection (LHD) cable, makes it a product of choice for difficult and challenging applications where other technologies struggle to work.

With it's ease of installation and low maintenance it also provides a cost effective solution where project expenditure requires to be kept at a minimum.

The sensing cable is formed from a pair of twisted steel conductors each with temperature sensitive insulation and then an overall Fluoropolymer outer sleeve. When the temperature sensitive insulation reaches it's predetermined alarm temperature the two conductors short together providing the digital or switched signal.

The cable can be connected to any unit capable of monitoring a switched signal, i.e. Conventional fire panel, addressable switch monitor unit or PLC.

The Fluoropolymer outer sleeve of the H9650 offers excellent chemical and water resistance, allowing it to be deployed in harsh and dirty environments.

Features

Simple digital switch operation
Continuous sensing along the total length of the element.
Fixed alarm temperature. Unaffected by changes in ambient temperature.
Compatible with switch monitoring units and conventional alarm panels.
Suitable for use in Hazardous areas using safety barriers.
Chemical & water resistant Fluoropolymer outer sleeve.
Rugged and durable construction.
Simple maintenance free installation.
Small diameter and bend radius.
FM Approved

Applications

Conveyors / bearing protection
Escalators, moving walkways.
Petro-chemical storage tanks, rim seal protection
Cable tunnel / tray protection
Road and rail tunnels
Road and rail motor compartments
Electrical switch gear & transformers
Refrigerated rooms and cold stores.
Building exteriors under eaves
Motor and pump overheat detection.
Dirty and dusty environments.

H9650

LINEAR HEAT DETECTION (LHD)
(240°C, 464°F Nominal)

LINESENSE

Fire Detection Ltd

Specifications.

Alarm temperature :	240°C
Max amb temperature :	200°C
Min operating temperature :	-50°C
Min installation temperature :	-20°C

Mechanical

Outside Diameter :	3.5mm
Colour :	White.
Number of cores :	2
Core diameters :	0.9mm
Core colours:	Black and white.
Minimum bend radius :	50mm (Cold store 100mm)
Weight :	24.0Kg/Km on the reel. (weight of reel typically 2Kg)

Electrical

Resistance :	100 ohms / Km @ 20°C
Capacitance :	45 pF to 130 pF
Inductance :	0.74 µH to 1.3 µH
Voltage rating :	110vdc 1amp

Time to detect small flame : 20 sec (Flame touching)

Ordering Information

Part Number

51100-240

Description

H9650 sensing cable 240°C Alarm temperature
White Fluoropolymer outer sleeve. (ordered by the meter)

52100-001

52100-002

52101-001

53000-001

I

Optional

DLI-2K Digital Location Interface 2Km

DLI-10K Digital Location Interface 10Km

DIM Digital Interface Module

Portable test oven 1m