

Alarmline digital cable H9650

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 bend radius and diameter



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 and transformers
- Refrigerated rooms and cold stores
- Motor and pump overheat detection
- Dirty and dusty environments
- Building exteriors under eaves

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 its 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 its 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.

Approvals:

- FM approved

SenseTek B.V.
Abberdaan 162
1046 AB Amsterdam
T +31 (0)20 - 6131611
F +31 (0)20 - 6132212
W www.sensetek.nl
E info@sensetek.nl



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Specifications:

Alarm temperature	240°C
Max ambient temperature	200°C
Min. operating temperature	-50°C
Min. installation temperature	-20°C
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	24kg/km on reel (weight of the reel typically 2 kg)
Resistance	100 Ohms/km @ 20°C
Capacitance	45 pF to 120 pF
Inductance	0.74 μ H to 1.3 μ H
Voltage rating	110Vdc 1A
Time to detect small flame	20 sec (flame touching)

Ordering information:

P.no.	Description
T87227	Alarmline digital cable 240°C