

Alarmline digital cable H8028

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
- UV resistant PVC 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 PVC 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 PVC outer sleeve of the H8028 offers good UV resistance allowing it to be deployed in external applications.

Approvals:

- FM approved

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Specifications:

Alarm temperature	105°C
Max ambient temperature	70°C
Min. operating temperature	-30°C
Min. installation temperature	0°C
Outside diameter	4.25mm
Colour	black
Number of cores	2
Core diameters	0.9mm
Core colours	black and red
Minimum bend radius	50mm (cold store 100mm)
Weight	25kg/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 µH to 1.3 µH
Voltage rating	110Vdc 1A
Time to detect small flame	12 sec (flame touching)

Ordering information:

P.no.	Description
T87105	Alarmline digital cable 105°C