

ALARMLINE

Fixed Temperature Heat Sensing Cable

L G M
PRODUCTS

By using special heat sensitive polymers, the range of cables provide a means of detecting the early stages of a fire or excessive overheat conditions along the whole of their length.

The cables are constructed with two tinned copper covered steel conductors each with a thermoplastic insulation and an overall sheath consisting of a polythene braid or extruded pvc.

For arduous environments and improved ultra violet and chemical resistance, the cables are available with a nylon sheath.

The cables operate when the inner insulation melts allowing the two conductors to act as a switch providing an on/off "fixed temperature" signal to the associated control panel. The cables can be continuously monitored for open circuit fault with a conventional end of line device.

Available in five different temperature settings the cables can be used in a wide range of applications including (with the aid of intrinsically safe barriers) those in hazardous areas.



TYPICAL APPLICATIONS

Digital heat detecting Cable has been used to monitor a variety of risks, some of the applications include:

Power Generation - cable tunnels, conveyors, turbine acoustic enclosures, boiler fronts, oil storage areas, steam leaks & hot gas escapes..

Petrochemical - rim seals of floating top tanks, pipeline valve stations, product pumps, compressor housings, fixed top tanks and spheres.

Transport - road and rail tunnels, escalators, locomotives and rolling stock, vehicles, ship's machinery spaces and car ferry decks.

Pharmaceuticals - fume cupboards, fluid conveyors and glove boxes.

Food industry - cold stores, driers, extractor hoods and ductwork.

See page 2 for cable specifications

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Reference No	Min Alarm Temp °C	Max Alarm Temp °C	Maximum Ambient °C	Outer Sheath Material	Colour/ Marking	Overall Diameter mm	Approvals
H8040	63	70	45	Polythene Braid	Red/Green Tracer	3.65	FM (indoor use only)
H8040/N	63	70	45	Nylon	Black	4.85	FM
H8045	79	95	45	Polythene Braid	Red/Black Tracer	3.65	FM (indoor use only)
H8045/N	79	95	45	Nylon	Black	4.85	FM
H8028	101	108	70	PVC	Black	4.25	FM
H8069	177	189	105	PVC	Red	4.25	FM
H9650	229	251	200	Fluoro-polymer	White	3.50	FM

All cables have tinned copper covered steel conductors 0.9mm diameter
 Conductor resistance - 100 ohm/1000M
 Maximum recommended operating voltage 100vac/vdc
 Minimum Bend Radius 120mm

Ordering Details

Cable is supplied in multiples of 100 metres with maximum of 1000 metres per reel. Please specify the cable reference number, total length required and where necessary preferred lengths for each reel.

Accessories

A full range of cable fixings, junction boxes, intrinsically safe barriers and zone monitor panels are available - please contact us for more details.

Application Notes

Information on the use and installation of heat sensing cables in a wide variety of applications is available from our office.

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