

PROTECTOWIRE

Fixed Temperature Heat Sensing Cable

L G M
PRODUCTS

Protectowire Linear Heat Detection Cable is a heat sensing cable that detects a build up of heat anywhere along its length. Protectowire is available with a choice of temperature settings and an alarm is initiated when the rated temperature is reached.

The sensor cable comprises of two steel conductors individually insulated with a heat sensitive polymer, then wrapped with a protective tape and finished with a choice of outer covers to suit the environment in which the cable will be installed.

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



SEE PAGE 2
FOR DETAILED
SPECIFICATIONS

PROTECTOWIRE HEAT DETECTION CABLE OPERATION



The insulated conductors are twisted together to impose a spring pressure between them. At the rated temperature, the heat sensitive polymer insulation yields to the pressure between conductors, permitting them to move into contact with each other acting as a switch providing an on / off "digital" contact. It is not required that a minimum specific length be heated in order to initiate an alarm. Changes in ambient temperature have no effect on the operation and alarm temperature of the cable.

LGM PRODUCTS LTD
UNIT 18 RIVERSIDE INDUSTRIAL ESTATE
FARNHAM
SURREY GU9 7UG
UNITED KINGDOM

TEL +44 (0) 1252 725257
FAX +44 (0) 1252 727627
E-mail Sales@Lgmproducts.com
www.Lgmproducts.com

PROTECTOWIRE

Fixed Temperature Heat Sensing Cable Specifications

L G M

PRODUCTS

Reference No	Nominal Alarm Temp °F / °C	Maximum Ambient °F / °C	Outer Sheath Material	Colour	Overall Diameter mm	Approval
PHSC-155-EPC	155 / 68.3	100/37.8	PVC	Red	4.0	FM/UL
PHSC-190-EPC	190 / 87.8	150 / 65.6	PVC	White	4.0	FM/UL
PHSC-220-EPC	220 / 105	175 / 79	PVC	Black	4.0	FM
PHSC-280-EPC	280 / 137.8	200 / 93.3	PVC	Dark Blue	4.0	FM/UL
PHSC-356-EPC	356 / 180	180 / 105	PVC	Light Blue	4.0	FM/UL
PHSC-155-EPR	155 / 68.3	100 / 37.8	Polypropylene Elastomer	Grey	4.0	FM/UL
PHSC-190-EPR	190 / 87.8	150 / 65.6	Polypropylene Elastomer	Grey	4.0	FM/UL
PHSC-190-EPN	190 / 87.8	150 / 65.6	PVC/Nylon	Black	4.1	FM/UL
PHSC-280-EPR	280 / 137.8	200 / 93.3	Polypropylene Elastomer	Grey	4.0	FM
PHSC-356-EPR	356 / 180	180 / 105	Polypropylene Elastomer	Grey	4.0	FM
PHSC-6893-TRI Dual Temp.	155 / 68.3 200 / 93	100 / 37.8	PVC	Yellow	4.75	FM
PHSC-135-XLT	135 / 57	100 / 37.8	PVC	Orange	4.0	FM

- All cables have steel conductors 0.9mm diameter
- Conductor resistance - 65.6 ohm/100M
- Maximum recommended operating voltage 30Vac, 42Vdc
- Minimum Bend Radius 64mm

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

LGM PRODUCTS LTD
UNIT 18 RIVERSIDE INDUSTRIAL ESTATE
FARNHAM
SURREY GU9 7UG
UNITED KINGDOM

TEL +44 (0) 1252 725257
FAX +44 (0) 1252 727627
E-mail Sales@Lgmproducts.com.com
www.Lgmproducts.com