



# Signaline HD-R

## Analogue Linear Heat Detector



Approved to EN54-5

Chemical resistant nylon outer jacket

Unaffected by steam, dust, humidity and smoke

Automatically resets when cool

Fire  
detection



Signaline





|                              |                                                                                                                                                                                                                |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>                 | Signaline HD-R                                                                                                                                                                                                 |
| <b>Alarm class</b>           | EN54-5 Class C                                                                                                                                                                                                 |
| <b>Operating temperature</b> | -40°C to +70°C ambient                                                                                                                                                                                         |
| <b>Max zone length</b>       | 300m per controller                                                                                                                                                                                            |
| <b>Conductor resistance</b>  | 2Ω screen and core per 100 metres                                                                                                                                                                              |
| <b>Tensile strength</b>      | 200N                                                                                                                                                                                                           |
| <b>Minimum bend radius</b>   | 18mm                                                                                                                                                                                                           |
| <b>Overall diameter</b>      | 2.8mm (approx. 3.5mm with nylon jacket)                                                                                                                                                                        |
| <b>Weight</b>                | 2.2kg/100M                                                                                                                                                                                                     |
| <b>Construction</b>          | <p>Inner core: Copper coated steel</p> <p>Core insulator: Heat sensitive polymer</p> <p>Internal sheath: Tinned copper wire braid</p> <p>Inner jacket: Red PVC</p> <p>Protective outer jacket: Black Nylon</p> |
| <b>Approvals</b>             | VDS (certificate G203076)                                                                                                                                                                                      |

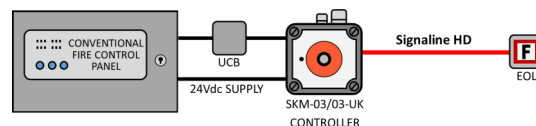
Signaline HD is an analogue linear heat detector that monitors significant increases in temperature. An electronic controller connected to the cable monitors the condition of the cable to sense any change in temperature by continually measuring the electrical resistance between the metallic core and screen. If the change in temperature is sufficient the controller creates an alarm.

The controller is easily adjusted for the length of cable being used. Most importantly, analogue linear heat detectors are resettable.

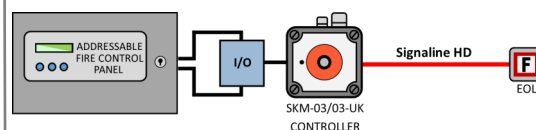


Signaline HD cable is proudly manufactured in the UK

#### Conventional Systems



#### Addressable Systems



**Signaline SKM Controller**  
(required)

Regular and stainless steel Signaline HD variants are also available

A selection of fixing options is also available

Visit [Signaline.com](http://Signaline.com) for more information