Product data sheet

# AA-0100

## Alarmline II Analogue LHD Cable w/ PVC Sheath, 100 m

### General

The AA-0100 is an analogue linear heat detection cable in a PVC outer sheath, supplied in 100m lenghts. It is suitable for indoor applications where sensor cable is unlikely to be subjected to physical damage or exposed to harsh environmental conditions.

In temperature sensitive environments early detection of an abnormal change is crucial to protect safety of life, critical processes and reduce losses. The AA analogue range of linear heat detection cable use exceptionally durable linear heat detection technologies which provide extensive and continuous coverage, is easy to install and fully integrate with building management systems. The products offer an enviable set of features bringing enhanced benefits and increased safety to the fire protection industry worldwide.

### Fast Response Time

This unique sensor cable and its method of control continuously responds to changes in temperature. The technology offers the facility to programme an early warning pre-alarm as well as the specified alarm temperature. If the temperature surrounding the cable reaches the pre-alarm point, the control unit triggers a warning giving the user time to survey the area at risk. Only when the temperature reaches the specified set alarm point will the control unit trigger full alarm.

### The Controller

The optional two stage programmable alarm settings make the system and method of overheat detection incredibly flexible and ideal for use in a variety of different environments and applications. The technology automatically compensates for changes in the ambient temperature to maintain the accuracy of alarm temperature as well as offering up to 500 metres of continuous detection per control unit.

Both versions of control unit carry UL521 approval. One is a self-contained unit or, for finer control, a version requiring a PC prevents uninvited system access. Both designs are compatible with any conventional or addressable fire alarm panel or other building management system.

### Reset and Reuse

Analogue LHD cable is “self-restorable” which means it not always necessary to replace the cable after an incident. Once the alarm has been triggered and depending on the severity of the incident the system can simply be reset with minimum disruption and inconvenience.

### Details

- UL521 Approved, UL/ULC Listed, RoHS compliant and CE certified to meet end user specifications
- Open and short circuit detection reduces the risk of false alarms
- Optional pre-alarm setting allows the user to manage risk more effectively
- Cable based sensing allows detection at the point of risk
- Low installation and maintenance costs reduce total cost of ownership
- Suitable for installation in hazardous areas
- Approved to the latest standards

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## Technical specifications

### Detection

| | |
|---|---|
| Ambient Temperature up to 30°C | Alarm Temperature - 54°C |
| Ambient Temperature up to 47°C | Alarm Temperatures - 64°C / 72°C / 79°C |
| Ambient Temperature up to 69°C | Alarm Temperatures - 86°C / 100°C |

### Physical

| | |
|---|---|
| Net weight | 2.370 kg |

### Environmental

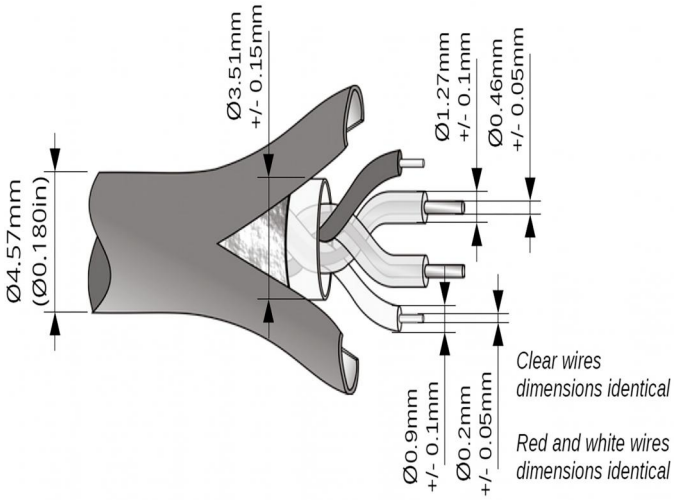
| | |
|---|---|
| Operating temperature | -40 to +125°C |
| Relative humidity | 0 to 90% noncondensing |
| Environment | Indoor, Outdoor |
| Operating temperature (continuous) | -40°C to +90°C |

### Standards & regulation

| | |
|---|---|
| Certification | CE, UL |

### Mechanical

| | |
|---|---|
| Outside diameter (Nominal) | 4.57mm +/-0.075mm (0.180” +/-0.003”) |
| No of cores | 4 |
| Core colours | Red, White, Clear, Clear |
| Zone length (min to max) | 30.5m to 500m |

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