

ANALOGUE LHD CABLE NYLON, AAN-0001

Fire detection systems Product Datasheet

Features

- UL521 Approved, 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

Description / Application

The AAN-0500 is an analogue linear heat detection cable in a Nylon outer sheath, supplied in specified lengths (meters). The nylon outer sheath provides additional UV protection making it suitable for external applications where it may be subjected to sunlight. It also provides protection against the elements and some chemicals. 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 respond to changes in temperature. The technology offers the facility to program 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.

Product Name	Part number	Description
AAN-500	116- AAN-0001	Analogue LHD Cable Nylon (meters)
AACULP	116-AACULP	Analogue LHD Control Unit – PC Programmable
AACUSP	116-AACUSP	Analogue LHD Control Unit - Self Programmable

Technical specifications	
Outside diameter (Nominal)	5.50mm +/- 0.075mm (0.217" +/-0.003")
Number of cores	4
Core colours	Red, White, Clear, Clear
Zone length (min to max)	30.5m to 500m
Weight	15.950kg
Operating temperature limits	-40°C to +125°C
Operating temperature (continuous)	-40°C to +90°C
Relative humidity	0% to 99%