

FEATURES

- ✓ UL, CE, RoHS approved to meet end user specifications
- ✓ Wide area coverage with maximum length of 3,000m and continuous sensitivity along the length of cable
- ✓ Choice of temperature sensitivity to provide maximum protection
- ✓ Compatible with conventional zone or monitor module for connection to Fire Alarm Control Panel
- ✓ Suitable for outdoor and/or harsh environments
- ✓ Low installation, maintenance and repair costs reduce total cost of ownership

PRODUCT DESCRIPTION

The LD and LDN Series digital linear heat detection cables are designed to trigger a response when the specific temperature is reached. If the temperature surrounding the cable reaches the activation temperature the heat sensitive polymer insulation melts and the two cores quickly come into contact and trigger an alarm via either an Intelligent Monitor Module or Conventional Zone.

Both are flexible and simple to install, allowing it to be easily installed along conveyor belts, in cable trays or wrapped around fan motors etc.

The LD Series is intended for general purpose applications

The LDN Series incorporates a nylon outer coating to provide chemical resistance for harsher environments.

Linear Heat detection is commonly used in applications where thermal sensing is required over large distances or where other type of point-type detection is not suitable. Typical applications are:

- ✓ Road and Rail Tunnels
- ✓ Cable Tunnels and Cable Trays
- ✓ Warehouse Racking
- ✓ Conveyor Belts and Escalators

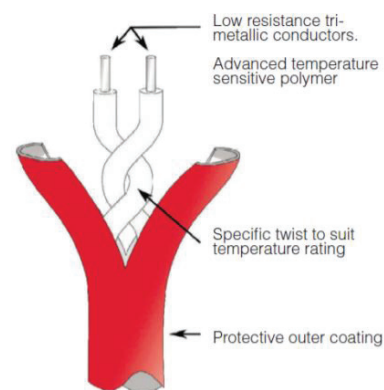
Note: A distance locating option is also available upon request to measure the distance from the module to where the overheating has occurred*.

**This product is an indent item. Lead times may apply.*

**Note: Not all temperatures are kept in stock. Please call to check availability and lead times.*



Conductor Cable



Linear Heat Detection cable construction

TECHNICAL SPECIFICATIONS

Construction	Overall insulated, twisted pair of tri-metallic cores	
Insulation	1kV tested protective outer sheath Polypropylene: General Purpose environments. Nylon: Harsh Area environments.	
Maximum Zone Length	3,000m	
Wire Overall Diameter	3.60mm (Nylon/Polypropylene coated diameter: 4.50mm)	
Minimum Radius Bend	50mm	
Maximum Rated Voltage	30Vac, 42Vdc	
Resistance	~100Ω/km per leg	
Velocity of Propagation	~55%	
Capacitance	88 - 150pF/m	
Inductance	540 - 1050nH/m	
Installation Range	Linear Cable Alarming Temperature	Installation Temperature
	68°C and 78°C	-40°C to 45°C
	88°C and 105°C	-40°C to 70°C

ORDERING INFORMATION

Product Code	Colour	Description
LHD-68-R-100	Red	68°C Linear Heat Detection Cable - 100m roll
LHD-68-R-200	Red	68°C Linear Heat Detection Cable - 200m roll
LHD-68-R-500	Red	68°C Linear Heat Detection Cable - 500m roll
LHD-78-R-100/200/500*	Red	78°C Linear Heat Detection Cable - 100/200/500m roll
LHD-88-W-100/200/500*	White	88°C Linear Heat Detection Cable - 100/200/500m roll
LHD-105-W-100/200/500*	White	105°C Linear Heat Detection Cable - 100/200/500m roll
LHDN-68-B-100/200/500*	Black	Nylon Sheath 68°C Linear Heat Detection Cable - 100/200/500m roll
LHDN-78-B-100/200/500*	Black	Nylon Sheath 78°C Linear Heat Detection Cable - 100/200/500m roll
LHDN-88-B-100/200/500*	Black	Nylon Sheath 88°C Linear Heat Detection Cable - 100/200/500m roll
LHDN-105-B-100/200/500*	Black	Nylon Sheath 105°C Linear Heat Detection Cable - 100/200/500m roll

* Indent item and special order - lead times of up to 8 weeks may apply. Contact FireSense for availability.
All Linear Heat Detection products are non returnable.

APPROVALS

✓ UL, CE, RoHS approved