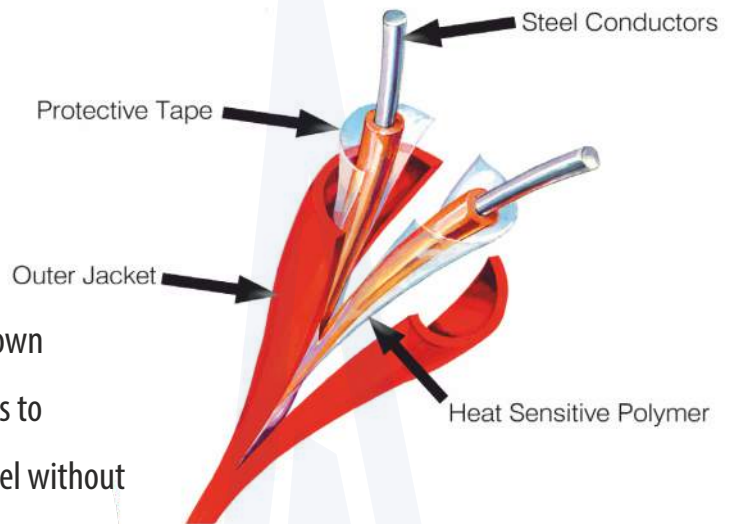


Digital Linear Heat Sensing Cables

ASES Fixed Temperature Linear Heat Detection Cable range consists of twin conductors of extremely low resistance (.05 Ohm/ft.) tri-metallic conductors, sheathed in new advanced thermal polymers.

These polymers are chemically engineered to breakdown at specific fixed temperatures allowing the conductors to make contact and initiate an alarm at the control panel without any calibration for changes in ambient temperatures.



The factor in determining which detection temperature wire to use is the maximum ambient temperature of the hazard area or equipment to be protected. The proper temperature model must be selected to provide the fastest alarm response to a potential fire condition without creating false alarm conditions. In the selection process its critical to consider the hazard areas highest potential ambient temperature.

It is a co-axial cable which exerts a defined change in electrical resistance of internal polymers when subjected to changes in surface temperatures. System monitoring through an associated electronic interface unit provides fault indication of open and short circuit conditions on the sensor cable. ASES LHD range is UL approved.

Specification:

Construction:	Overall insulated, tri metallic twin conductor
Additional Insulation Options:	Nylon / SS
Approvals:	UL listed
Minimum bend radius:	50 mm (2")
Twin- conductor switching heat sensing cable.	
Environmental-65° C to + 200° C	
7 detection temperature ranges from 68° C to 180° C	
Simple interface to any BS5839 system	

Sensing Cable Specification:

Model No	Description
ASES-LHD-68-160	Digital Linear Heat Detector(68 C)
ASES-LHD-78-172	Digital Linear Heat Detector(78 C)
ASES-LHD-88-190	Digital Linear Heat Detector(88 C)
ASES-LHD-110-230	Digital Linear Heat Detector(110 C)
ASES-LHD-138-280	Digital Linear Heat Detector(138 C)
ASES-LHD-150-280	Digital Linear Heat Detector(150 C)
ASES-LHD-180-280	Digital Linear Heat Detector(180 C)

Model No	Description
ASES-LHD-68-160	Digital Linear Heat Detector(68 C), with Nylon Extrusion
ASES-LHD-78-172	Digital Linear Heat Detector(78 C), with Nylon Extrusion
ASES-LHD-88-190	Digital Linear Heat Detector(88 C), with Nylon Extrusion
ASES-LHD-110-230	Digital Linear Heat Detector(110 C), with Nylon Extrusion
ASES-LHD-138-280	Digital Linear Heat Detector(138 C), with Nylon Extrusion
ASES-LHD-150-280	Digital Linear Heat Detector(150 C), with Nylon Extrusion
ASES-LHD-180-280	Digital Linear Heat Detector(180 C), with Nylon Extrusion

Model No	Description
ASES-LHD-68-160	Digital Linear Heat Detector(68 C), with Stainless Steel Extrusion
ASES-LHD-78-172	Digital Linear Heat Detector(78 C), with Stainless Steel Extrusion
ASES-LHD-88-190	Digital Linear Heat Detector(88 C), with Stainless Steel Extrusion
ASES-LHD-110-230	Digital Linear Heat Detector(110 C), with Stainless Steel Extrusion
ASES-LHD-138-280	Digital Linear Heat Detector(138 C), with Stainless Steel Extrusion
ASES-LHD-150-280	Digital Linear Heat Detector(150 C), with Stainless Steel Extrusion
ASES-LHD-180-280	Digital Linear Heat Detector(180 C), with Stainless Steel Extrusion

Before Installing

- 1) Install the linear heat detection cable accordingly to meet local and country installation requirements.
- 2) Linear heat detection cable must be installed in accordance with NFPA 70 & 72, NEC 760 (National Electric Code) and Authorities Having Jurisdiction.
- 3) Support the detection cable at 1m (3ft) to 1.5m (5ft) intervals.
- 4) Test the detection cable before installation using a multimeter.
- 5) Ensure the maximum ambient temperature rating of the detection cable will not be exceeded during storage or normal operating conditions.
- 6) Ensure the detection cable is spaced at less than or equal to the maximum approved spacing.

- 7) Ensure any cable glands used are tightened to form a secure and moisture proof seal around the detection cable.
- 8) Do not exceed the maximum operating voltage of the detection cable (48Vdc).
- 9) Do not paint the detection cable.
- 10) Do not place the detection cable under excessive tension.
- 11) Do not bend the detection cable at right angles. The minimum bend radius is 2" or 50mm.

APPLICATIONS

- Switchgear
- In-rack freezer and cooler storage
- Elevator shafts
- Cooling towers
- Conveyors
- Cable trays
- Cable spreading rooms
- Floating tank roof
- Generators
- Tunnels
- Bridges
- Parking decks
- Engine bays

