

# LINEAR HEAT DETECTOR CABLES - HDC

HDC LINEAR HEAT DETECTOR CABLES ARE RELIABLE AND ECONOMIC TOOLS FOR MONITORING ABNORMAL HEAT INCREASE WHICH OFTEN IS A PRELIMINARY STAGE OF A FULL FIRE EVENT.

The **HDC** sensor cable detects heat anywhere along its length: it is a **continuous** heat detector unlike the standard point detector. The **HDC** sensor cable is composed by two copper covered steel wires, individually insulated with a thermosensitive polymer. At the rated temperature the polymer insulation melts, thus permitting the conductors to short-circuit and generate an alarm signal. Four temperature alarm levels are available: **68 °C, 88 °C, 105 °C** and **138 °C**.

## APPLICATIONS

- Pipelines
- Storage Tanks
- Cable Trays
- Aircraft Hangars
- Control Rooms
- Warehouses
- Bridges and Tunnels
- Mines
- Cooling Towers
- Escalators

## FEATURES AND BENEFITS

- Ease of installation and maintenance
- Fast substitution of the shorted circuit cable sector
- Suitable to any dangerous or difficult access areas
- Short response times
- Minimum false alarms
- Simple integration with fire extinguishing systems



	HDC-68	HDC-88	HDC-105	HDC-138
<b>Alarm temperature</b>	68±3°C	88±4°C	105±5°C	138±6°C.
<b>Outer sheath colour</b>	red	white	black	blu
Conductors	Copper covered steel wire, ø 0.95 mm			
Insulation	Special thermosensitive polymer, red and black			
Cabling	Twisted insulated conductors			
Sheath	Extruded thermoplastic sheath			
Outer diameter	4.5 mm			
Weight	25 kg/km			
Max. ambient temperature	40 °C			
Voltage rating	100 V d.c.			
Conductor resistance	300 Ω/km @ 20 °C			
Dielectric test	500 V ac x 1'			
Water and oil sheath resistance	good			
Flame propagation	IEC 60332-1/WV1/FT1			
Fire reaction CPR	Eca - EN 13501-6			
RoHS II	2011/65/EU			
CE	2014/35/EU			

