

# LINEAR HEAT DETECTOR CABLES - HDC

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**EN 54-28** FIRE DETECTION AND ALARM SYSTEM.  
PART 28 NON-RESETTABLE LINE-TYPE HEAT DETECTORS.  
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- HDC - 68
- HDC - 88
- HDC - 105
- HDC - 138



THE FIRST STEP  
TOWARDS SAFETY



Conducting Value

# 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.

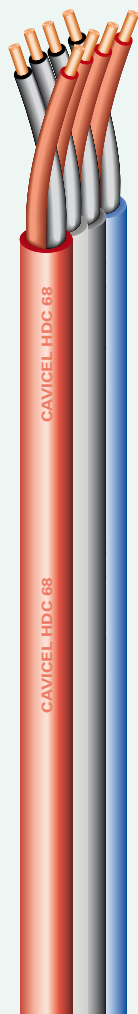
The **HDC** sensor cable detects heat anywhere along its length: it is a **continuous** heat detector unlike the standard point detector. The **HDC** sensor cable is composed by two copper covered steel wires, individually insulated with a thermosensitive polymer. At the rated temperature the polymer 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			
Dietetric test	500 V ac x 1'			
Water and oil sheath resistance	good			
Flame propagation	IEC 60332-1/WW1/FT1			
Fire reaction CPR	Eca - EN 13501-6			
RoHS II	2011/65/EU			
CE	2014/35/EU			

## HEADQUARTERS AND FACTORY

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