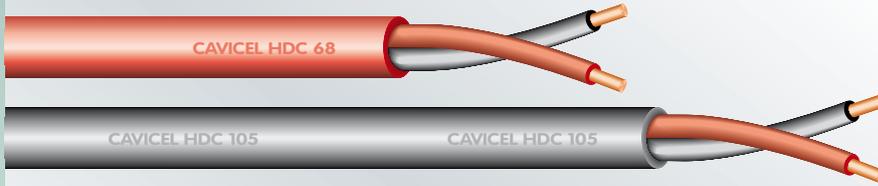




Conducting Value



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.

Two temperature alarm levels are available: **68 °C** and **105 °C**.

## Applications

- Pipelines
- Storage Tanks
- Cable Trays
- Aircraft Hangars
- Control Rooms
- Warehouses
- Bridges and Tunnels
- Mines
- Cooling Towers
- Escalators
- Power distribution apparatus: Transformers, Switch Gears

## 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

## Constructive Characteristics

	HDC-68	HDC-105
<i>Conductors</i>	Copper covered steel wire, $\phi$ 0.95 mm	
<i>Insulation</i>	Special thermosensitive polymer, red and black	
<i>Cabling</i>	Twisted insulated conductors	
<i>Sheath</i>	Extruded thermoplastic sheath	
<i>Voltage rating</i>	100 V d.c.	
<i>Conductor resistance</i>	290 $\Omega$ /km @ 20 °C	

## Technical Data

	HDC-68	HDC-105
<i>Alarm temperature</i>	68 $\pm$ 3 °C	105 $\pm$ 5 °C
<i>Outer diameter</i>	4,5 mm	4,5 mm
<i>Weight</i>	25 kg/km	25 kg/km
<i>Max. ambient temperature</i>	40 °C	60 °C
<i>Outer sheath colour</i>	red	black
<i>Water and oil sheath resistance</i>	good	good

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