

# Thermopads

## Heating cables HC3/Ex-HC3 - For safe and hazardous areas

Heating Cable HC3 are series heating cable used for temperature maintenance in pipelines and storage tanks to keep fluids in flow state. They find application for process heating requirements in Oil & Gas, Petrochemical, Power, Chemicals & Fertilizers, Metallurgical, Cement, Pharma, Food and Edible oil industries.

### Construction

1. Heating Element Single Conductor (multistrand/spiraled)
2. Primary PTFE Insulation
3. Coated Copper(ATC/NPC) braid for mechanical and earth continuity
4. Fluoropolymer Outer Jacket



### Features

<b>Standards</b>	Tested to EN 60079, EN 60079-7 and EN 60079-30-1 requirements
<b>Approvals</b>	UL & VDE Certified. ATEX Certified by Baseefa & SIRA for use in hazardous areas
<b>Long life</b>	PTFE insulation used has excellent electrical properties, fire-resistant, inert to most chemicals, virtually non-ageing and can withstand high temperature continuously

### Technical Specifications

<b>Heating conductor</b>	As per the resistance range given below
<b>Insulation</b>	PTFE (with Kaptan Tape for Ex - HC3 cables)
<b>Braid</b>	NPC
<b>Outer Sheath</b>	Fluoropolymer
<b>Supply Voltage</b>	Upto 600 VAC
<b>Power Output (W/m)</b>	30W/m max.
<b>Max. Operating Temperature</b>	180°C
<b>Max. Withstand Temperature</b>	250°C
<b>Min. Installation Temperature</b>	- 60°C
<b>Mechanical Strengths</b>	4J / 7J ( For Ex Heating cables)
<b>Min. Bending radius</b>	6 x dia. of the cable
<b>Min. Space between turns</b>	50mm

### Range

Standard manufacturing linear resistances (ohms/KM) are as below and are supplied in reels of 500 to 1000M lengths -  
 0.8 / 1.1 / 1.8 / 2.9 / 4.4 / 7 / 10 / 11.6 / 15 / 17.8 / 25 / 31.5 / 50 / 68 / 100 / 150 /  
 170 / 200 / 240 / 330 / 370 / 500 / 730 / 1000 / 1440 / 1730 / 2160 / 2400 / 3000 / 4000 / 5600 / 8000.

Wide range of linear resistances per meter and can be designed for longer lengths.

Cables to suit specific needs with insulation of Silicon Rubber, PVC and other combinations can also be manufactured.

### Termination Splice Kit

