

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

Standards	Tested to EN 60079, EN 60079-7 and EN 60079-30-1 requirements
Approvals	UL750, CSA 210, VDE 0253. ATEX Certified by Baseefa & SIRA for use in hazardous areas.
Long life	PTFE insulation used has excellent electrical properties, fire-resistant, inert to most chemicals, virtually non-ageing and can withstand high temperature continuously

Technical Specifications

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

