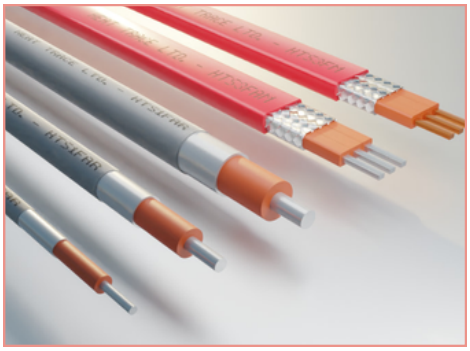
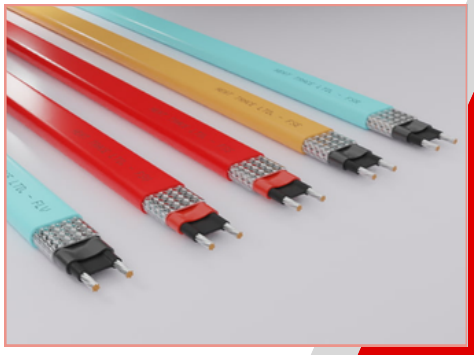
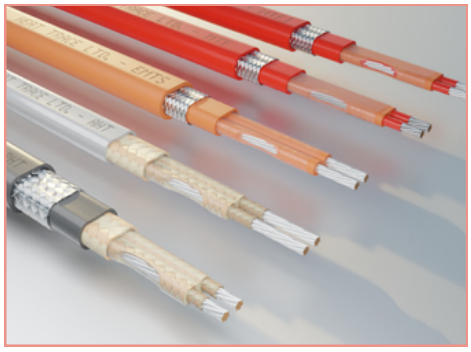
HEAT TRACE








ELECTRIC HEAT TRACING

INTELLIGENT HEATING AND CONTROL SOLUTIONS FOR

COMMERCIAL & INDUSTRIAL APPLICATIONS

WWW.HEAT-TRACE.COM

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Heat Trace

INTELLIGENT HEATING AND CONTROL SOLUTIONS

Heat Trace Limited (HTL) is a British company, operating globally with representation in over 50 countries. We provide complete heat tracing solutions and are considered to be the industry technical Leader in our field. Founded in the UK in 1974, HTL have been manufacturing electrical heating cables ever since. Heat Trace's emphasis on innovation means that we undertake extensive R&D to ensure we remain the technical leader in our field.

Supplying products predominantly to the Oil, Gas & Petrochemical industries, both onshore and offshore, as well as to other industries, the company also specialises in multi-kilometre heated pipelines. Our LONGLINE series heating cables were installed on the world's first subsea, electrically heat traced, reeled, pipe-in-pipe system, in the North Sea. This project was in partnership with Technip UK for Total E&P. As a result of this successful project, interest in HTL's long pipeline heating system capability has resulted in our involvement with several major subsea, inshore, offshore and onshore, multi-kilometre pipeline heating applications, including down-hole heating.

Power Generation, both conventional and nuclear, is another sector where our products are used to provide innovative solutions for both low and high temperature applications for either complex in-plant pipework, or for very long pipelines.

HTL's 50 + year history has resulted in a unique range of heat tracing products that offer the longest circuit lengths, the highest power outputs and the highest withstand temperatures, available from any heating cable manufacturer. An extensive range of heat tracing products, inclusing constant power output, parallel and series resistance heaters, together with a very comprehensive range of self-regulating heaters, is available for use in all market sectors.

Our 40th anniversary in 2014 saw HTL win our second Queen's Award for Enterprise, this time in the Innovation category, for the continuing development in the field of specialist self-regulating heating cables.

If you are interested in finding out more information about any of the products listed in this brochure, please contact us on sales@heat-trace.com or call us on +44 (0) 1928 726451.

Certifications



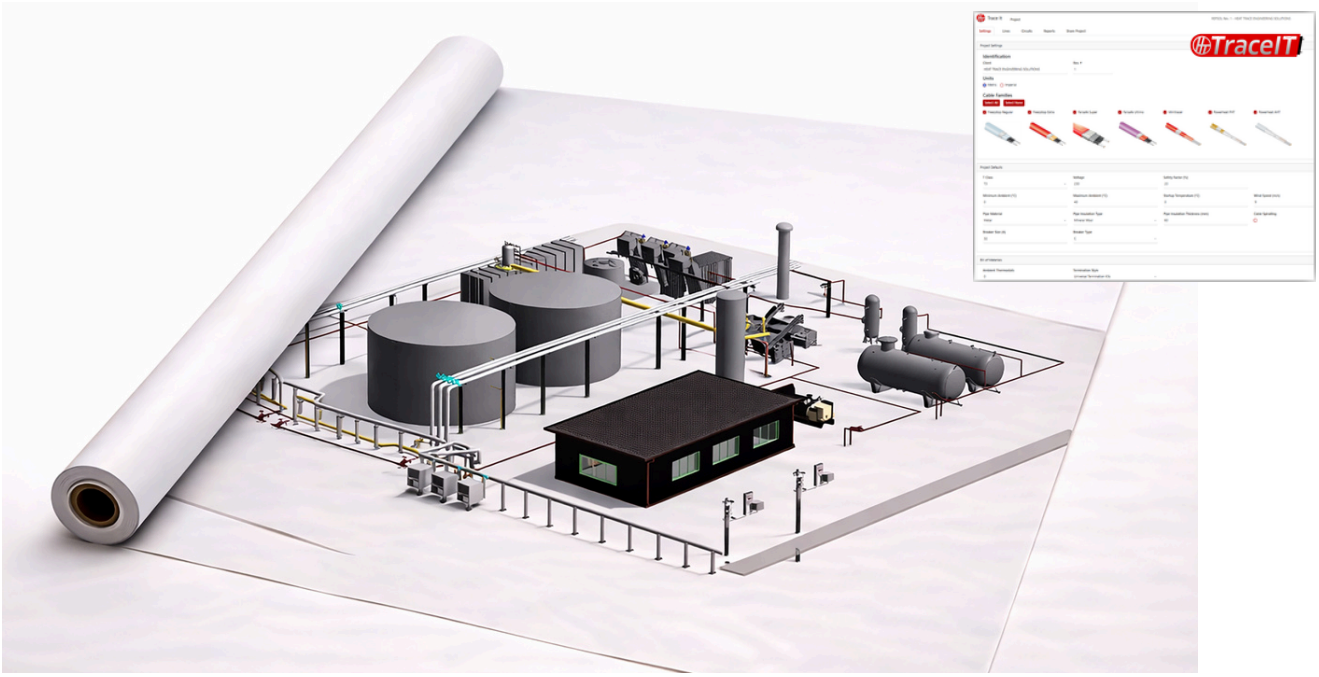


Heat Trace - Electric Heat Tracing

Engineering Services

FULL SCOPE OF ENGINEERING SUPPORT

Heat Trace offers expert design and engineering support for trace heating projects, from consultancy and system design through to installation, commissioning, and project management. Using advanced engineering tools, we develop efficient, standards-compliant solutions tailored to each application, helping customers achieve safe, reliable, and cost-effective heat tracing performance. Our proprietary TraceIT software, is our official online design and calculation software used to size, specify, and configure electric heat tracing systems.



PROJECT EXECUTION PHASES

Front End Development

Estimation, Comparison Activity, Optimization, Specification Requirements, Process Strategy

Engineering and Design

FEA, Detailed Engineering Deliverables, Material Database, Change Management, Integration into Associated Design Disciplines

Material Supply Management

Procurement, Customer Service, Expedition

Site Services

Installation, Supervision, Quality Control

Start Up and Commissioning

As-Build, Final Forms Procedure

ENGINEERING AND DESIGN SCOPE

FEED

- Power Consumption
- Material List
- Project Schedule Development
- Budget Estimation

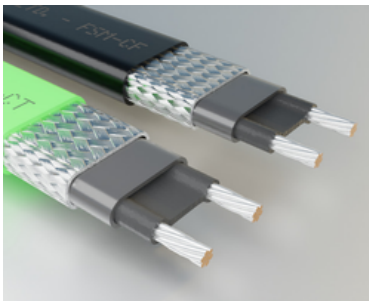
DETAILED DESIGN

- Heat Loss Calculation
- Material and equipment allocation in isometric and plot plan layout drawings
- Integration in client's 3D model
- Bill of materials
- Electrical power load calculation
- Electrical single line-and control-diagrams as build docs for distribution panels
- Power cable list

Self-Regulating Heating Cables

Since their introduction in 1971, self-regulating heating cables (also referred to as self-limiting heating cables) have become the most common form of electric heat tracing cable used in the world today. Heat Trace is now considered to be the leader in heating cable polymer technology, with a range of self-regulating heaters that are technically superior to other products currently available.

See product datasheets for full information - https://www.heat-trace.com/products/self-regulating-heating-cables

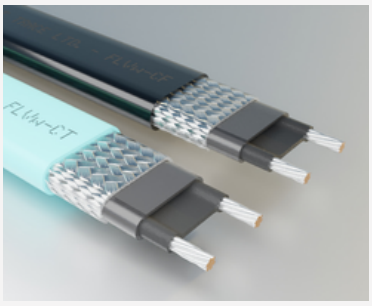


FSM
Freezstop Micro

Freezstop Micro is an industrial grade, self-regulating heating tape that can be used for freeze protection or temperature maintenance of pipework and vessels.

65°C

MAXIMUM CONTINUOUS EXPOSURE TEMPERATURE (POWER ON):	+65°C (+149°F)
MAXIMUM PERMISSIBLE EXPOSURE TEMPERATURE (POWER OFF):	+85°C (185°F)
MINIMUM INSTALLATION TEMPERATURE:	-40°C (-40°F)
MINIMUM OPERATING TEMPERATURE:	-40°C (40°F)
POWER SUPPLY:	12 - 277V AC/DC
TEMPERATURE CLASSIFICATION:	T6 (85°C/185°F)
POWER OUTPUTS:	11 & 17W/m

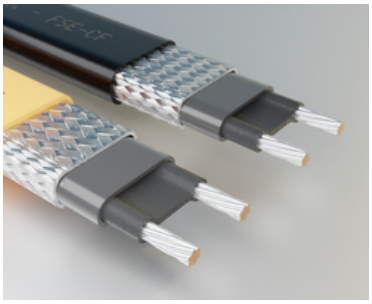


FLV (w)
FreezStop LowVoltage

Industrial/commercial grade self-regulating heating cable for frost protection or temperature maintenance.

85°C

MAXIMUM CONTINUOUS EXPOSURE TEMPERATURE (POWER ON):	+85°C (+185°F)
MAXIMUM PERMISSIBLE EXPOSURE TEMPERATURE (POWER OFF):	+85°C (+185°F)
MINIMUM OPERATING TEMPERATURE:	-40°C (-40°F)
MINIMUM INSTALLATION TEMPERATURE:	-40°C (-40°F)
POWER SUPPLY:	12 - 24V AC or DC
TEMPERATURE CLASSIFICATION:	T6 (+85°C)
POWER OUTPUTS:	12, 17 & 30W/m

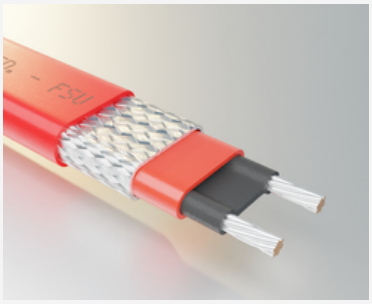


FSE (w)
FreezStop Extra

Industrial grade self-regulating heating tapes that can be used for freeze protection or temperature maintenance of pipework and vessels.

100°C

MAXIMUM CONTINUOUS EXPOSURE TEMPERATURE (POWER ON):	+100°C (+212°F)
MAXIMUM PERMISSIBLE EXPOSURE TEMPERATURE (POWER OFF):	+100°C (+212°F)
MINIMUM OPERATING TEMPERATURE:	-40°C (-40°F)
MINIMUM INSTALLATION TEMPERATURE:	-40°C (-40°F)
POWER SUPPLY:	12 - 277V AC/DC
TEMPERATURE CLASSIFICATION:	T4 (+135°C) T3 (+200°C)
POWER OUTPUTS:	17, 31, 45 & 60W/m

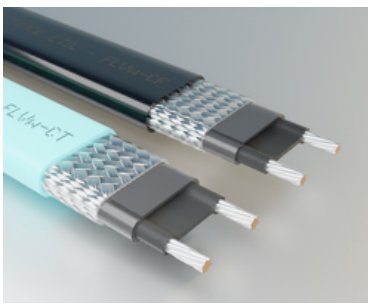


FSS
FailsSafe Super

Very high temperature self-regulating heating cable. Suitable for use in safe, hazardous and corrosive areas.

225°C

MAXIMUM CONTINUOUS EXPOSURE TEMPERATURE (POWER ON):	+225°C (+437°F)
MINIMUM OPERATING TEMPERATURE:	-40°C (-40°F)
MINIMUM INSTALLATION TEMPERATURE:	-40°C (-40°F)
POWER SUPPLY:	12 - 277V AC/DC
TEMPERATURE CLASSIFICATION:	T3 (+200°C) T2 (+300°C)
POWER OUTPUTS:	15, 30, 45, 60 & 75W/m

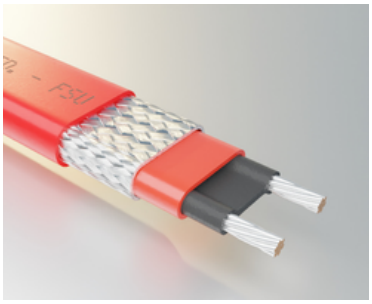


FSR
FreezStop Regular

Industrial/commercial grade self-regulating heating cable for frost protection or temperature maintenance.

85°C

MAXIMUM CONTINUOUS EXPOSURE TEMPERATURE (POWER ON):	+85°C (+185°F)
MAXIMUM PERMISSIBLE EXPOSURE TEMPERATURE (POWER OFF):	+85°C (+185°F)
MINIMUM OPERATING TEMPERATURE:	-40°C (-40°F)
MINIMUM INSTALLATION TEMPERATURE:	-40°C (-40°F)
POWER SUPPLY:	12 - 277V AC/DC
TEMPERATURE CLASSIFICATION:	T6 (+85°C) T4 (+135°C)
POWER OUTPUTS:	10, 17, 25, 31 & 40W/m

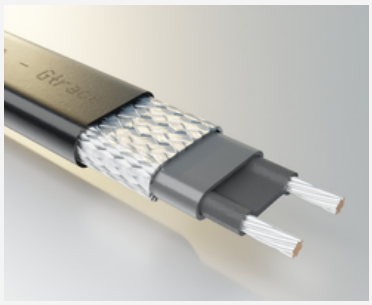


FSU (w)
FailSafe Ultimo

Extremely high temperature self-regulating heating cable. Inherently temperature safe. Automatically adjusts heat output in response to increasing or decreasing pipe temperature.

250°C

MAXIMUM EXPOSURE TEMPERATURE (POWER ON OR OFF):	+250°C (+482°F)
MINIMUM OPERATING TEMPERATURE:	-40°C (-40°F)
MINIMUM INSTALLATION TEMPERATURE:	-40°C (-40°F)
POWER SUPPLY:	12 - 277V AC/DC
TEMPERATURE CLASSIFICATION:	T3 (+200°C) T2 (+300°C)
POWER OUTPUTS:	15, 30, 45, 60, 75 & 100W/m

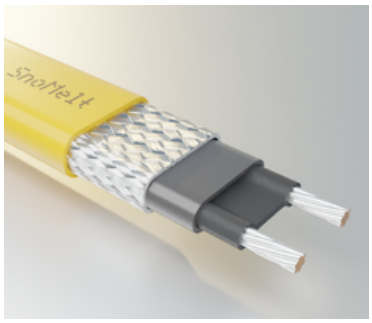


GT
G-Trace

G-Trace is a commercial/residential grade, self-regulating heating cable specifically designed to prevent snow and ice build up on roofs and in gutters.

60°C

OPERATING ENVIRONMENTAL RANGE:	-15°C TO +15°C (+5°F TO +59°F)
AMBIENT TEMPERATURE RANGE:	-40°C TO +60°C (-40°F TO +140°F)
MINIMUM INSTALLATION TEMPERATURE:	-40°C (-40°F)
POWER SUPPLY:	1 - 277V AC/DC
POWER OUTPUTS:	In ice at 0°C - Up to 36W/m In air at 0°C - Up to 18W/m

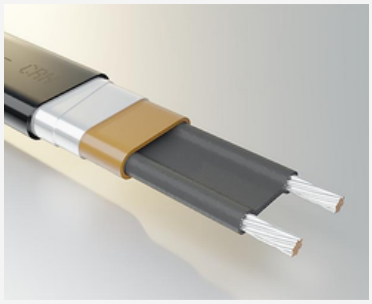


SM
SnoMelt

SnoMelt cables are industrial/commercial grade self-regulating heating cables that can be used for snow melting and ice prevention of surfaces such as concrete roads, ramps and paths.

40°C

MAXIMUM SURFACE TEMPERATURE:	+40°C (+104°F)
MINIMUM INSTALLATION TEMPERATURE:	-30°C (-22°F)
POWER SUPPLY:	1 - 277V AC/DC
POWER OUTPUT:	Up to 50w/m

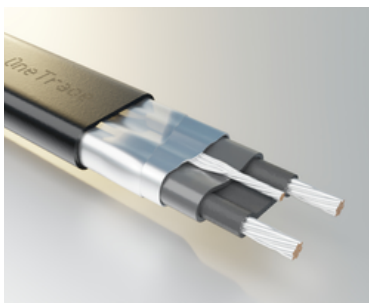


CRH
Contact Rail Heater

The Contact or Conductor Rail Heater self-regulating heating cable has been specifically developed for contact and 3rd / live rails operating up to 750 volt DC systems.

250°C

MAXIMUM TEMPERATURE (POWER ON OR OFF):	+250°C (+482°F)
MINIMUM INSTALLATION TEMPERATURE:	-40°C (-40°F)
POWER OUTPUT (NOMINAL):	UP TO 120W/M AT 10°C
POWER SUPPLY:	UP TO 800 VOLTS AC/DC



OT
One Trace

ONETRACE is a light self-regulating heating cable that can be used for frost protection and temperature maintenance of pipework, surfaces, or tanks.

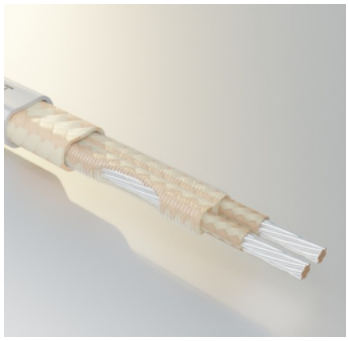
100°C

MINIMUM OPERATING TEMPERATURE:	-40°C (-40°F)
POWER SUPPLY:	100 - 130V AND 200 - 277V AC

Constant Wattage Heating Cables

We have been producing constant power heating cables for over 40 years. We produced the world's first parallel resistance cut-to-length heating cable in 1978. Constant Wattage heating cables, as their name suggests, are designed to deliver the same power output irrespective of pipe temperature.

See product datasheets for full information - https://www.heat-trace.com/products/constant-wattage-heating-cables

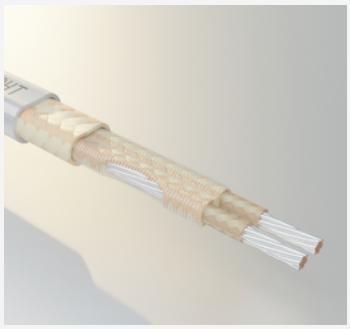


RHT
Heat Tracer

Rail heater type RHT is a parallel resistance, constant power output cable for use on main rail switch point systems, electrified 3rd rails, monorails and tramway systems.

350°C

MAXIMUM EXPOSURE TEMPERATURE CONTINUOUS:	+350°C (+644°F)
MAXIMUM EXPOSURE TEMPERATURE INTERMITTENT:	+425°C (+797°F)
MINIMUM INSTALLATION TEMPERATURE:	-65°C (-85°F)
POWER SUPPLY:	230 OR 115V AC/DC (NOMINAL)
POWER OUTPUTS:	100, 150 and 220 W/m

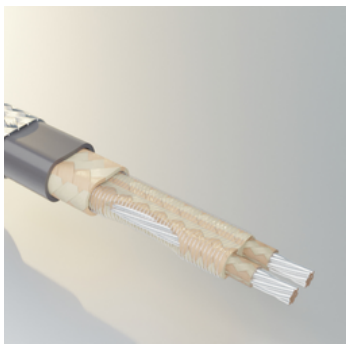


AHT
PowerHeat

Unique patented, high power, high temperature, heating cable for freeze protection and temperature maintenance of pipework and vessels.

500°C

MAXIMUM EXPOSURE TEMPERATURE:	+500°C (+932°F)
MINIMUM OPERATING TEMPERATURE:	-40°C (-40°F)
MINIMUM INSTALLATION TEMPERATURE:	-40°C (-40°F)
POWER SUPPLY:	12 - 277V AC/DC
POWER OUTPUTS:	15, 30, 50, 70, 100 & 150W/m

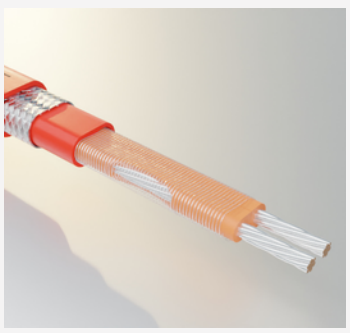


PHT
PowerHeat (PHT)

High power, high temperature constant wattage heating cable that can be used for freeze protection and temperature maintenance of pipework and vessels.

285°C

MAXIMUM CONTINUOUS EXPOSURE TEMPERATURE (POWER ON):	+285°C (+545°F)
MINIMUM INSTALLATION TEMPERATURE:	-40°C (-40°F)
POWER SUPPLY:	12 - 277V AC
POWER OUTPUTS:	10, 30, 50 & 70W/m



EMTF
MicroTracer

MicroTracer (EMTF) is an electrical heating cable for freeze protection or process heating of pipework and vessels.

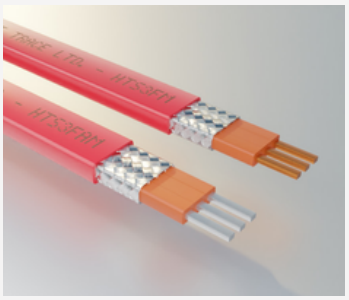
200°C

MAXIMUM WITHSTAND TEMPERATURE:	+200°C (+392°F)
MINIMUM INSTALLATION TEMPERATURE:	+190°C (+374°F)
POWER SUPPLY:	208 - 277V AC/DC OR 110 - 120V AC/DC
POWER OUTPUTS:	6.5, 13, 23, 33 and 50 W/m

Long Line Cables

For very long pipelines, the use of parallel heating technology becomes very costly due to the very large electrical distribution system that would be required. However, an advantage is that long circuit lengths are possible using our Longline range of heater cables. Typcially 3-phase Longline heating cables require electric supply points only at multi-kilometre intervals. Due to this, the number of power points required is dramatically reduced and can offer significant CAPEX savings.

See product datasheets for full information - https://www.heat-trace.com/products/longline-heating-cables

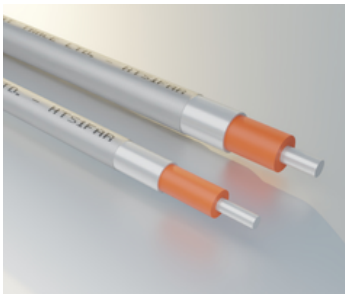


HTS3FM & HTS1F

Electrical heating cable used for freeze protection or process temperature maintenance of long pipelines up to 5km, in safe or hazardous areas.

200°C

MAXIMUM CONTINUOUS EXPOSURE TEMPERATURE (POWER ON):	+200°C (+392°F)
MAXIMUM PERMISSIBLE EXPOSURE TEMPERATURE (POWER OFF):	+200°C (+392°F)
MINIMUM INSTALLATION TEMPERATURE:	-40°C (-40°F)
POWER SUPPLY:	Up to 1000V 3-phase 600v single phase according to application requirements
POWER OUTPUT:	Up to 50W/m by design according to application requirements

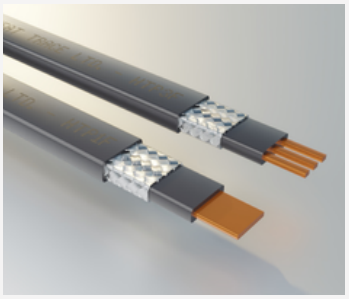


LLR & LLR-HV

High performance series resistance heating cables for long pipelines where temperature maintenance or freeze protection is needed.

230°C

MAXIMUM PERMISSIBLE EXPOSURE TEMPERATURE (POWER OFF):	+230°C (+446°F)
MINIMUM INSTALLATION TEMPERATURE:	-40°C (-40°F)
MINIMUM OPERATING TEMPERATURE:	-60°C (-76°F)
RATED VOLTAGE:	Up to 10000v 3-phase
POWER OUTPUT:	Up to 60W/m by design according to application requirements



HTP1F & HTP3F

Supplied in multiples of three cables for configuring into a 3 phase heating system. Used for freeze protection or process temperature maintenance of long pipelines up to 5km, in safe or hazardous areas.

125°C

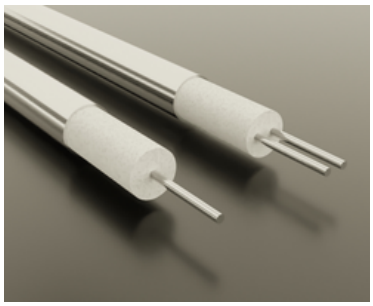
MAXIMUM WITHSTAND TEMPERATURE (POWER ON):	+125°C (+257°F)
MINIMUM INSTALLATION TEMPERATURE:	-40°C (-40°F)
MINIMUM OPERATING TEMPERATURE:	-60°C (-76°F)
POWER SUPPLY:	Up to 600v 3-phase
AVAILABLE OUTPUTS:	Available in 10, 15, and 23 w/m outputs



Mineral Insulated (MI) Heating Cables

Mineral Insulated Cable is known as the most durable electric heat trace cable that are available. It is the ideal choice when an application's temperature and power output requirements exceed the capabilities of our range of self-regulating and constant wattage cables.

See product datasheets for full information - https://www.heat-trace.com/products/mineral-insulated-cables

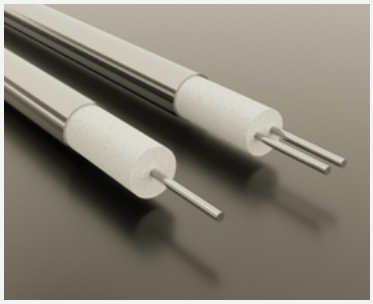


Mineral Insulated Cable (MAL)

MAL range of alloy 825 sheathed Mineral Insulated (MI) heating cables with operating temperature of 800°C.

800°C

MAXIMUM WITHSTAND TEMPERATURE:	800°C (1472°F)
MINIMUM INSTALLATION TEMPERATURE:	-80°C (-112°F)
MINIMUM OPERATING TEMPERATURE:	-80°C (-112°F)
RATED VOLTAGE:	Up to 600V
CIRCUIT LENGTHS:	5-6km
AVAILABLE OUTPUTS:	300 w/m

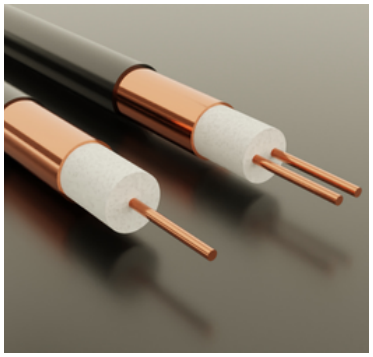


Mineral Insulated Cable (MCN)

MCN range of cupronickel sheathed Mineral Insulated (MI) heating cables with operating temperatures of 400°C.

400°C

MAXIMUM WITHSTAND TEMPERATURE:	400°C (752°F)
MINIMUM INSTALLATION TEMPERATURE:	-80°C (-112°F) (-112°F TO +104°F)
MINIMUM OPERATING TEMPERATURE:	-80°C (-112°F)
RATED VOLTAGE:	Up to 600V
POWER OUTPUTS:	Up to 300W/m
CIRCUIT LENGTHS:	5 - 6km

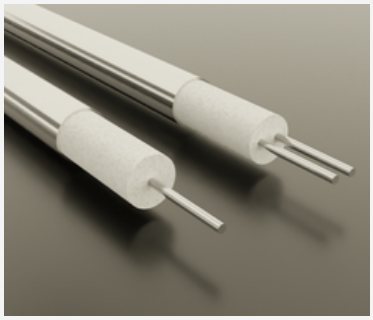


Mineral Insulated Cable (MCU/MHC)

Copper sheathed Mineral Insulated cable developed to meet high temperature capabilities and electrical resistance values for long circuit lengths.

250°C (MCU)
90°C (MHC)

MAXIMUM WITHSTAND TEMPERATURE:	MCU: 250°C (482°F) OR MHC: 90°C (194°F)
MINIMUM INSTALLATION TEMPERATURE:	MCU: -80°C (-112°F) OR MHC: -25°C (-13°F)
MINIMUM OPERATING TEMPERATURE:	MCU: -80°C (-112°F) OR MHC: -25°C (-13°F)
POWER SUPPLY:	Up to 600v
POWER OUTPUTS:	Up to 300w/m
CIRCUIT LENGTHS:	5 - 6km



Mineral Insulated Cable (MSS)

Stainless Steel sheathed Mineral Insulated cable with excellent mechanical strength and corrosion resistance.

600°C

MAXIMUM WITHSTAND TEMPERATURE:	600°C (1112°F)
MINIMUM INSTALLATION TEMPERATURE:	-40°C (-40°F)
POWER SUPPLY:	Up to 600V
POWER OUTPUTS:	Up to 300W/m
CIRCUIT LENGTHS:	5 - 6km

Power Connections

Since their introduction in 1971, self-regulating heating cables (also referred to as self-limiting heating cables) have become the most common form of electric heat tracing cable used in the world today. Heat Trace is now considered to be the leader in heating cable polymer technology, with a range of self-regulating heaters that are technically superior to other products currently available.



JB9000 Series

Junction box for use with electric heat tracing systems. The enclosure has a uniquely designed hinged cover that allows the unit to remain 'as one' during installation.

- Available for use in safe and hazardous areas.
- Suitable for use with many styles of heating cable.
- IP66/67 rated.
- May be used for power connection, in-line and tee-splicing.

AMBIENT TEMPERATURE:

-55°C TO +40°C (T6 OR T85°C)
-55°C TO +55°C (T5 OR T100°C)
-67°F TO +104°F (T6 OR T85°C)
-67°F TO +131°F (T6 OR T85°C)

ENTRIES:

JB9100 - 3 x M20

JB9200 - 2 x M20 and 1 x DES-2 (33mm hole)

JB9250 - 1 x m20, 1 x M25 and 1 x DES-2 (33mm hole)

JB9300 - 2 x m25 and 1 x DES-2 (33mm hole)

APPROXIMATE VOLUME: 450cm^3

WEIGHT: 0.47kgs



JB9000XL

Junction box for use with electric heat tracing systems. The enclosure has a uniquely designed hinged cover that allows the unit to remain 'as one' during installation. The XL model has a larger approximate volume and weight.

- Available for use in safe and hazardous areas.
- Suitable for use with many styles of heating cable.
- IP66/67 rated.
- May be used for power connection, in-line and tee-splicing.

AMBIENT TEMPERATURE:

-55°C TO +40°C (T6 OR T85°C)
-55°C TO +55°C (T5 OR T100°C)
-67°F TO +104°F (T6 OR T85°C)
-67°F TO +131°F (T6 OR T85°C)

ENTRIES:

JB9000XL - 1 x M20, 1 x M25 and 1 x DES-3 (43mm hole)

APPROXIMATE VOLUME: 955cm^3

WEIGHT: 0.78kgs

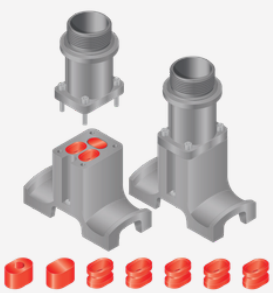


DES-2

Direct entry sealed termination unit for use with the Heat Trace range of heating cables. Suggested for use with Junction Box JB9000 Series.

- Suitable for use in safe and hazardous areas.
- Eliminates the risk of damage to heating cables at termination points.
- IP66 Rated.
- May be used for in-line and tee-splicing.

MAXIMUM EXPOSURE TEMPERATURE:	+180°C (+356°F)
MINIMUM OPERATING TEMPERATURE:	-55°C (-67°F)
DES-2 DIMENSIONS (LxWxH):	110 x 42 x 116mm
IP RATING:	IP66



DES-3

Direct entry sealed termination unit for use with the Heat Trace range of heating cables. Suggested for use with Junction Box JB9000XL Series.

- Suitable for use in safe and hazardous areas.
- Eliminates the risk of damage to heating cables at termination points.
- IP66 Rated.
- May be used for in-line and tee-splicing.

MAXIMUM EXPOSURE TEMPERATURE:	+180°C (+356°F)
MINIMUM OPERATING TEMPERATURE:	-55°C (-67°F)
DES-2 DIMENSIONS (LxWxH):	112 x 56 x 157mm
IP RATING:	IP66

‘R’ Series Customised Exd Solution

The ‘R’ Series enclosures are available in various sizes, ranging from 100mm diameter to 200mm diameter enclosures, there are two sizes in between, 130mm and 160mm diameters. The codes for the sizes are R100, R130, R160 and R200. These can be customised based on the following requirements.

Enclosures can be used as Control Panels, Terminal Boxes for Control, Instrumentation, Power Supply and Heating Cables. For housing electrical/electronic power components e.g. Contactors, Transformers, Relays, Transducers, Isolators and Power Supplys. Terminals of various sizes and combinations as required, but within permitted watt dissipation.

Enclosures can be populated with IECEx certified Control accessories, Push Button Actuator, Rotary Actuators, Electronic Thermostat, LED Indicating Lamps and Thermostat Capillary Connectors.

PRODUCT SPECIFICATIONS:

Enclosures are suitable for termination of power cable up to 50Sq mm.
Enclosures are certified for use in ambient conditions from -60°C to +75°C.
Degree of protection: IP66 as per IEC 60529:2013 & EN 60529:1992+A2:2013.
Enclosures are certified for use in hazardous area IIA/IIB & IIC.

EQUIPMENT MARKING:

ATEX/UKCA: II2GD

Gas: EX db IIB T6/T5 Gb or
EX db IIC T6/T5 Gb

Dust: EX db IIIC T80°C/T95°C Db IP66
-60°C or -20°C ≤ Ta ≤ +45°C/+60°C/+75°C

ATEX/UKCA: II2GD

Gas: EX db IIB T6/T5 Gb or
EX db IIC T6/T5 Gb

Dust: EX db IIIC T80°C/T95°C Db IP66
-60°C or -20°C ≤ Ta ≤ +45°C/+60°C/+75°C



One Way, Two Way, Three Way Power Junction Boxes, Field Junction Boxes, Marshalling Junctin Boxes, Heat Tracing Junction Boxes, End Junction Boxes, Splice Junction Boxes and Tee Junction Boxes.

Surface, Ambient Sensing Thermostats, Heat Tracing Junction Boxes with Thermostat, Dual Sensing Thermostats, Heat Tracing Junction Boxes with Thermostat with Light indication.



Lighted End Box (R100/EOL/R/A)

Illuminated end-of-line Junction Box

MATERIAL:	STANDARD COPPER FREE ALUMINIUM
PAINT SHADE:	RAL 7035, LIGHT GREY
PROTECTION:	EX (DB) - IP66
RATED VOLTAGE:	1.1KV AC/DC
AREA SUITABILITY:	ZONE 1 / ZONE 2, IIA/IIB/IIC
CABLE ENTRIES:	1 OFF (FOR HEAT TRACING CABLE)
EARTHING:	INTERNAL AND EXTERNAL EARTHING
INDICATION LAMP:	RED
OPERATING VOLTAGE:	230V AC
NUMBER OF TERMINALS:	3 OFF (1 LIVE, 1 NEUTRAL & 1 EARTH)
SIZE OF TERMINALS:	2.5MM^2



Three way Heat Tracing Power Junction Box R130/3W/10

This junction box is designed to accept one power cable and connect three heater cables.

MATERIAL:	STANDARD COPPER FREE ALUMINIUM
PAINT SHADE:	RAL 7035, LIGHT GREY
PROTECTION:	EX (DB) - IP66
RATED VOLTAGE:	1.1KV AC/DC
AREA SUITABILITY:	ZONE 1 / ZONE 2, IIA/IIB/IIC
CABLE ENTRIES:	4 OFF (1 FOR POWER CABLE, 3 FOR HEAT TRACING CABLE)
EARTHING:	INTERNAL AND EXTERNAL EARTHING
NUMBER OF TERMINALS:	6 OFF (2 LIVE, 2 NEUTRAL & 2 EARTH)
TERMINAL SIZE:	10MM^2 (SUITABLE FOR 2.5 - 10MM^2 CONDUCTORS)

Control and Monitoring

Heat Trace Ltd offers a comprehensive range of temperature control and monitoring solutions designed to maximise the performance, efficiency, and reliability of electric heat tracing systems. Our portfolio includes electronic and electromechanical thermostats, advanced temperature controllers, monitoring units, ambient sensing devices, remote alarm systems, and fully integrated control panels for both safe and hazardous area applications.



FLEXIBLE RTD SENSOR - R100/RTD

MATERIAL:	STANDARD COPPER FREE ALUMINIUM	EARTHING:	INTERNAL AND EXTERNAL EARTHING
PAINT SHADE:	RAL 7035, LIGHT GREY	SENSOR TYPE:	3 WIRE PT100 SIMPLEX (STANDARD)
PROTECTION:	EX (DB) - IP66	TEMPERATURE MEASURING RANGE:	(-)100°C - (+)600°C
RATED VOLTAGE:	1.1KV AC/DC	SENSOR LEAD PROTECTION:	STAINLESS STEEL CONDUIT
AREA SUITABILITY:	ZONE 1 / ZONE 2, IIA/IIB/IIC	SENSOR LEAD LENGTH:	STANDARD 1.5 MTRS
CABLE ENTRIES:	1 OFF (FOR CONTROL CABLE)	NUMBER OF TERMINALS:	3X (1L+1N-1E)



TEMPERATURE SENSOR - HT-RTD-01

MATERIAL:	STANDARD COPPER FREE ALUMINIUM	EARTHING:	INTERNAL AND EXTERNAL EARTHING
PAINT SHADE:	RAL 7035, LIGHT GREY	SENSOR TYPE:	3 WIRE PT100 SIMPLEX
PROTECTION:	EX (DB) - IP66	TEMPERATURE MEASURING RANGE:	(-)100°C - (+)600°C
AREA SUITABILITY:	ZONE 1/ ZONE 2, IIA/IIB/IIC	SENSOR LEAD (LENGTH):	STANDARD 110MM
CABLE ENTRIES:	1 OFF X M20	NUMBER OF TERMINALS:	3 OFF (SIMPLEX)



JUNCTION BOX WITH THERMOSTAT 30A R130/JBST/4/120/A/30A

MATERIAL:	STANDARD COPPER FREE ALUMINIUM	CABLE ENTRIES:	2 OFF (1 OFF FOR POWER CABLE, 1 OFF FOR HEAT TRACING CABLE)
PAINT SHADE:	RAL 7035, LIGHT GREY	SWITCH TYPE:	SPST
PROTECTION:	EX (DB) - IP66	NUMBER OF TERMINALS:	6 OFF (2 LIVE, 2 NEUTRAL, 2 EARTH)
RATED VOLTAGE:	1.1KV AC/DC	EARTHING:	INTERNAL AND EXTERNAL EARTHING
AREA SUITABILITY:	ZONE 1/ ZONE 2, IIA/IIB/IIC		



HEAT TRACING JUNCTION BOX WITH ELECTRONIC THERMOSTAT - R160/ETHJB/1W/6/A/25A

MATERIAL:	STANDARD COPPER FREE ALUMINIUM	CABLE ENTRIES:	2 OFF (1 OFF FOR POWER CABLE, 1 OFF FOR HEAT TRACING CABLE OR CONTROL)
PAINT SHADE:	RAL 7035, LIGHT GREY	EARTHING:	INTERNAL AND EXTERNAL EARTHING
PROTECTION:	EX (DB) - IP66	SENSOR TYPE:	RTD PT100 SUITABLE FOR TEMPERATURE RANGE +600°C
RATED VOLTAGE:	1.1 KV AC / DC		
AREA SUITABILITY:	ZONE 1/ZONE 2, IIA/IIB/IIC		



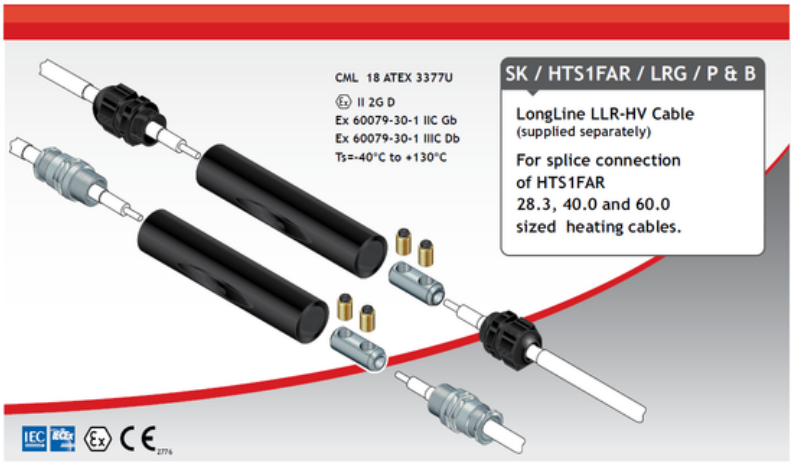
JUNCTION BOX WITH THERMOSTAT 30A R160/JBST/10/120/A/30A

MATERIAL:	STANDARD COPPER FREE ALUMINIUM	CABLE ENTRIES:	2 OFF (1 OFF FOR POWER CABLE, 1 OFF FOR HEAT TRACING CABLE OR CONTROL)
PAINT SHADE:	RAL 7035, LIGHT GREY	EARTHING:	INTERNAL AND EXTERNAL EARTHING
PROTECTION:	EX (DB) - IP66	SENSOR TYPE:	LIQUID FILLED
RATED VOLTAGE:	1.1 KV AC / DC		
AREA SUITABILITY:	ZONE 1/ZONE 2, IIA/IIB/IIC		

BPA and BES Kits

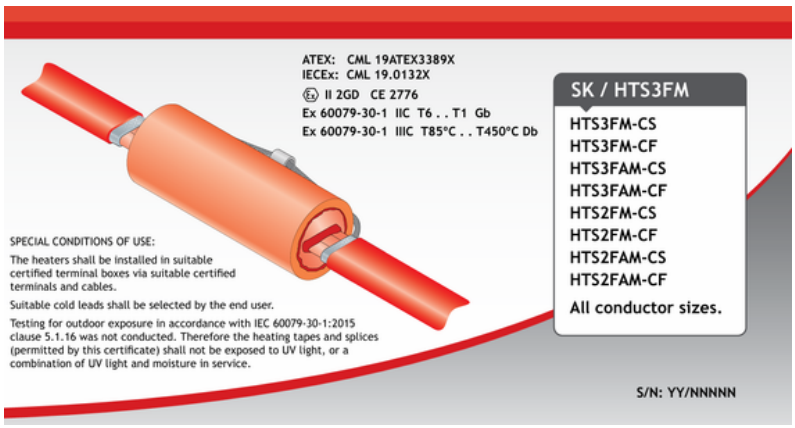
These kits provide safe, reliable termination for electric trace heating cables. Designed for industrial and hazardous area applications, they protect against moisture ingress, ensure secure power connections, and enhance system durability. Simple to install, they help maintain long-term performance and operational reliability.

SK-HTS1FAR-LRG-P&B



MATERIAL:	STANDARD COPPER FREE ALUMINIUM
PAINT SHADE:	RAL 7035, LIGHT GREY
PROTECTION:	EX (DB) - IP66
RATED VOLTAGE:	1.1KV AC/DC
AREA SUITABILITY:	ZONE 1 / ZONE 2, IIA/IIB/IIC
CABLE ENTRIES:	2 X M20
EARTHING:	INTERNAL AND EXTERNAL EARTHING
INDICATION LAMP:	RED
OPERATING VOLTAGE:	230V AC

SK-HTS3FM

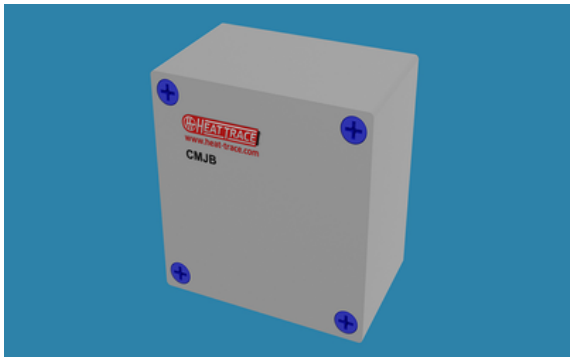


MATERIAL:	STANDARD COPPER FREE ALUMINIUM
PAINT SHADE:	RAL 7035, LIGHT GREY
PROTECTION:	EX (DB) - IP66
RATED VOLTAGE:	1.1KV AC/DC
AREA SUITABILITY:	ZONE 1 / ZONE 2, IIA/IIB/IIC
CABLE ENTRIES:	2 X M20
EARTHING:	INTERNAL AND EXTERNAL EARTHING
INDICATION LAMP:	RED
OPERATING VOLTAGE:	230V AC

Power Connections

COMMERCIAL JUNCTION BOX WITH KNOCK OUTS (CMJB)

Heat trace provides commercial junction boxes that are suitable for Non-Hazardous locations. These boxes are manufactured from Polycarbonate and can be installed even under harsh ambient conditions.



DIMENSIONS:	102 X 100 X 60MM
INGRESS PROTECTION:	IP67
AREA OF USE:	NON-HAZARDOUS (INDOOR AND OUTDOOR)
KNOCK OUTS:	7 X M20 / M25
BASE:	GREY POLYCARBONATE
LID:	GREY POLYCARBONATE
IMPACT RESISTANCE:	IK 10
AMBIENT TEMPERATURE RANGE:	-40°C TO 85°C
VOLTAGE:	250V AC MAXIMUM
MAX. CONDUCTOR SIZE:	0 - 4MM²
CURRENT RATING:	32A
WEIGHT:	400G APPROX.

Installation Components

We also offer a range of miscellaneous components for use when installing Heat Trace products.
Contact us on sales@heat-trace.com for more product information.

Stainless steel pipe fixing straps in a range of 5 different sizes complete with buckle. Width of strap 12mm.



PFS025/SS Pipe fixing strap - for pipes up to 50mm (2") diameter.
PFS050/SS Pipe fixing strap - for pipes from 50mm (2") to 125mm (5") diameter.
PFS100/SS Pipe fixing strap - for pipes from 125mm (5") to 250mm (10") diameter.
PFS160/SS Pipe fixing strap - for pipes from 250mm (10") to 450mm (18") diameter.
PFS200/SS Pipe fixing strap - for pipes from 450mm (18") to 600mm (24") diameter.

Fixing Strap	Suitable for Pipe Sizes	Material	Length of Strap	Length of Slotted section
PFS025/SS	2"	SS304	320mm	160mm
PFS050/SS	2" – 5"	SS304	560mm	240mm
PFS100/SS	5" – 10"	SS304	960mm	400mm
PFS160/SS	10" – 18"	SS304	1600mm	800mm
PFS200/SS	18" – 24"	SS304	2075mm	1450mm

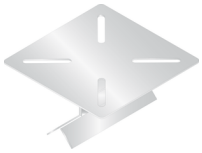
Dimension +/- 5%



Cut to length metal pipe fixing straps with a continuous slotted section, available in either galvanised or stainless steel.

PFS/G or PFS/S 30m x 11mm coil of banding supplied in dispensing box.

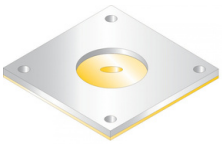
BUC/G or BUC/S Buckles (1 x required for each fixing strap).



SB/CMJB Stainless steel support bracket for CMJB.
Dimensions: 120mm x 120mm x 70mm height (approx).

PB/S Stainless steel pipe bracket for single component.
(Junction box, or capillary thermostat etc.)
Dimensions: 150mm x 150mm x 80mm height (approx).

PB/M Stainless steel pipe bracket for two components (subject to component size). Dimensions: 300mm x 200mm x 80mm height (approx).
(Other sizes available on request dependent on required quantities).



LEK Lagging entry kit. Protects heating cable when entering lagging and forms seal around cable entry to prevent water ingress.

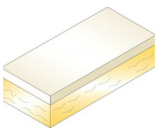
(Kits supplied complete with aluminium plate, rubber seal, 4 self-tapping fixing screws and instruction card).



BP/JB9000 M20 Blanking plug (plastic).
Can be provided for use in either SAFE or HAZARDOUS Areas.



BP/FL M20 Blanking plug (brass).
Can be provided for use in either SAFE or HAZARDOUS Areas.



HBK Insulating heat break. Used to protect pipe mounted components from exposure to excessive pipe surface temperatures.

Mineral wool base with silicone rubber sheet. Dimensions:
130mm x 60mm x 35mm high. Max Withstand
Temperature: 250°C (approx).



CL Self-adhesive, vinyl CAUTION / WARNING label for fixing to insulated pipework or vessel to indicate that electric heating cable is installed beneath the thermal insulation.
To be fitted on pipework at intervals NOT exceeding 6 metres.
For large quantities in alternative languages, please enquire for details.

Cable Fixing Accessories

View our range of adhesive and non-adhesive fixing methods for securing heating cable into position.
Contact us on sales@heat-trace.com for more product information.



FT/HTP

A self-extinguishing conformable PVC adhesive tape. Used for low temperature heaters and applications only.

Dimensions:	12mm wide x 33m roll.
Max Withstand Temperature:	80ºC.
Min Application Temperature:	0ºC.
Adhesive:	Rubber resin.



FT/PGL

A non-adhesive woven glass yarn fixing tape. High tensile strength, good resistance to chemicals. Used for high temperature heaters and applications.

Dimensions:	25mm wide x 50m roll.
Max Withstand Temperature:	500ºC (shortterm).
Min Application Temperature:	0ºC.
Adhesive:	None.



FT/HTS/130

A glass cloth based adhesive fixing tape. Used for medium temperature heaters and applications. Designed for long term performance and resistance to continuous temperature exposure.

Carrier Material :	Glass Fabric
Temperature Range:	-10ºC to +130ºC
Adhesive:	Thermosetting Synthetic Rubber
Width:	12mm
Roll Length:	50 metres



FT/HTS/260

AHTV Silicone Elastomer based adhesive fixing tape. Used for high temperature heaters and applications. Designed for long term performance and resistance to continuous temperature exposure.

Carrier Material :	HTV Silicone Elastomer
Temperature Range:	-40ºC to +260ºC
Adhesive:	Self-amalgamating
Width:	12mm
Roll Length:	50 metres



FT/ALUM/155

A soft aluminium foil, coated on one side with acrylic, pressure sensitive adhesive. The tape is backed with a strong polythene coated release paper. Flame retardent and water resistant.

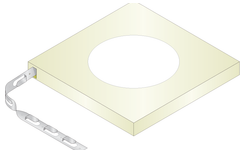
Carrier Material :	Soft Aluminium Foil
Temperature Range:	-20ºC to +150ºC
Adhesive:	Thermosetting Synthetic Acrylic
Width:	75mm
Roll Length:	45 metres



FT/ALUM/300

A glass cloth backing laminated with aluminium soft foil. Coated with a high tack pressure sensitive adhesive with UV light resistance.

Carrier Material:	Glass cloth backing laminated with Aluminium Soft Foil
Temperature Range:	-40ºC to +300ºC
Adhesive:	Polysiloxane Thermosetting Adhesive
Width:	75mm
Roll Length:	45 metres



PPS/A

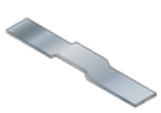
Pre-punched Alloy fixing strip used for various applications including securing heating cables in position on road de-icing, floor warming and soil warming systems. It is also used to hold cable in position on tanks. Dimensions:

Material:	20mm wide x 20m roll. Alloy.



FB/GT

Stainless steel fixing bracket complete with 2 x nylon tie wraps, with several functions. Used in wide gutters to provide equal spacing for double runs of GT heating cable. Also used to protect heating cable in difficult transition zones and supporting heating cable in drainpipes.



FC/GT

Metallic fixing clip with self-adhesive pad. Used for securing GT heating cable to gutter or roof surface. (Gutter surface must be clean and grease free).

Dimensions:	116mm x 18mm x 0.5mm.
Material:	Alloy.

Industrial Sectors We Cover

Heat tracing is a specification requirement across a wide range of industrial sectors. Our systems are in active service across the following:



Agriculture



Aviation & Defence



Food Processing



Oil & Gas Production and Storage



Petrochemical & Refineries



Pharmaceutical Production



Power Generation



Water & Waste Treatment

Why Choose Heat Trace?

Heat Trace is a trusted provider of electric heat tracing and specialist heating solutions, supporting customers across a wide range of industries worldwide. With decades of experience, the company combines engineering expertise, innovative product development, and comprehensive project support to deliver reliable and efficient heating systems. Customers benefit from high-quality products, technical guidance, responsive service, and a commitment to safety and performance. From freeze protection and process temperature maintenance to complex industrial applications, Heat Trace offers tailored solutions designed to meet demanding operational requirements. Its global presence and proven track record make Heat Trace a dependable partner for critical heating projects.



Over 50 years experience



Complete Project Delivery



Global Support



The Only UK Manufacturer



The Widest Cable Range

Contact Us

Please feel free to call us on +44 (0)1928 726451 or email us at sales@heat-trace.com

www.heat-trace.com

Heat Trace Ltd, Mere's Edge, Chester Road, Helsby, Frodsham, Cheshire, WA6 0DJ

50+ Years

Founded in 1974