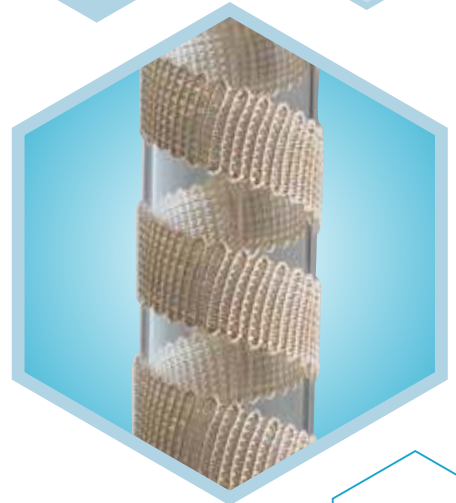


Tempo

Controlled Temperature Solution

FLEXOTHERM

Heating Tapes & Cords



www.tempoinstruments.com

FLEXOTHERM

Heavy Insulated Heating Tapes (400°C)

- Lead Wires on one end
- Spiral Heating Element design to give better temperature uniformity.
- Heavy Braided Fibre Glass Outer Cover.
- 400°C High Temperature Capability for continuous use.
- Robust & Flexible Element.
- Lower Watt Density, enhancing longer life through better distribution of heat. (Lower watts per cm of wire)
- 25mm wide tapes may be easily applied to diameters as small as 12mm.
- Temperature controller system (Digital / Thermostatic) can be provided for display, monitoring and safe operation.

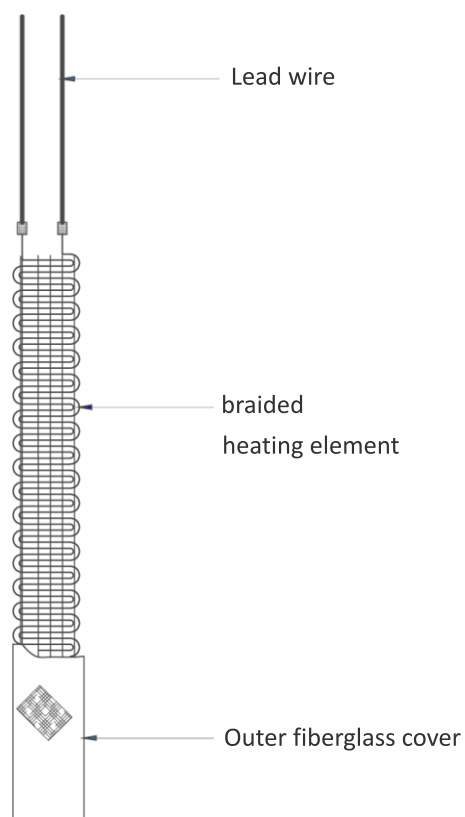


Heating Tape : High Watt Density

catalog no.	size (width x length mm)	watt	volt
TI-681-HIT-H2	25mm x 600mm	310	230 V
TI-681-HIT-H4	25mm x 1200mm	620	230 V
TI-681-HIT-H6	25mm x 1800mm	930	230 V
TI-682-HIT-H2	25mm x 600mm	310	110 V
TI-682-HIT-H4	25mm x 1200mm	620	110 V
TI-682-HIT-H6	25mm x 1800mm	930	110 V

Heating Tape : Medium Watt Density

catalog no.	size (width x length mm)	watt	volt
TI-681-HIT-M2	25mm x 600mm	210	230 V
TI-681-HIT-M4	25mm x 1200mm	420	230 V
TI-681-HIT-M6	25mm x 1800mm	630	230 V
TI-682-HIT-M2	25mm x 600mm	210	110 V
TI-682-HIT-M4	25mm x 1200mm	420	110 V
TI-682-HIT-M6	25mm x 1800mm	630	110 V

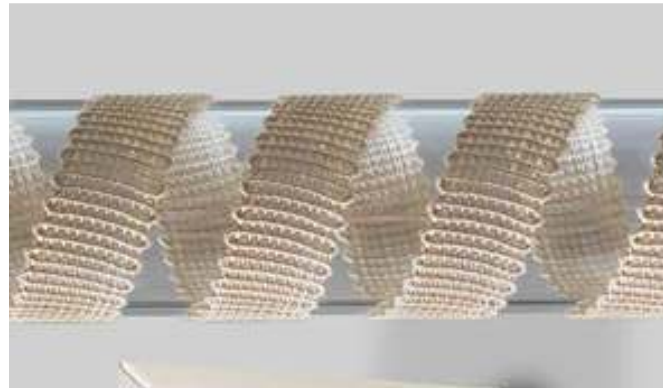


Heating Tape : Low Watt Density

catalog no.	size (Width x Length mm)	watt	volt
TI-681-HIT-L2	25mm x 600mm	80	230 V
TI-681-HIT-L4	25mm x 1200mm	160	230 V
TI-681-HIT-L6	25mm x 1800mm	230	230 V
TI-682-HIT-L2	25mm x 600mm	80	110 V
TI-682-HIT-L4	25mm x 1200mm	160	110 V
TI-682-HIT-L6	25mm x 1800mm	230	110 V

Standard Insulated Heating Tapes (350°C) (For Non-Conducting Surfaces)

- These Tapes are recommended for use on non-conductive surfaces such as glass or ceramic. (Not recommended for Conductive surfaces such as metal etc)
- Lead Wires on one end
- Spiral Heating Element design to give better temperature uniformity.
- 350°C High Temperature Capability for continuous use.
- Robust & Flexible Element.
- Lower Watt Density, enhancing longer life through better distribution of heat. (Lower watts per cm of wire)
- 25mm wide tapes may be easily applied to diameters as small as 12mm.
- Temperature controller system (Digital / Thermostatic) can be provided for display, monitoring and safe operation.



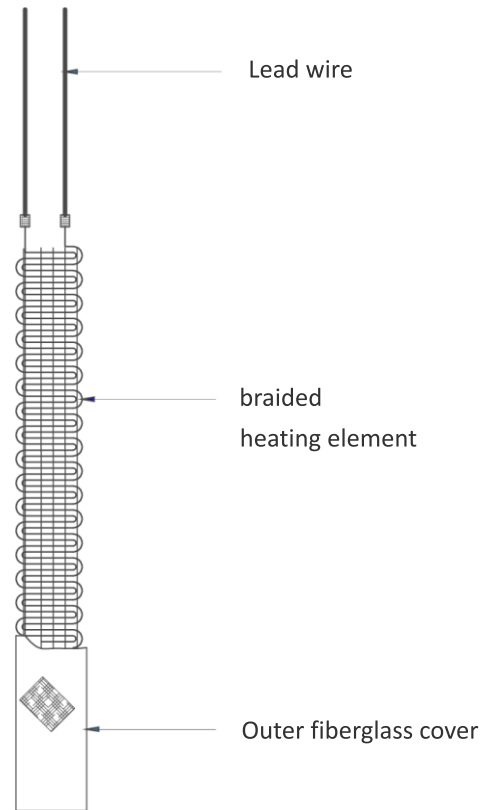
Heating Tape : Medium Watt Density

catalog no.	size (Width x Length mm)	watt	volt
TI-681-SIT-M2	25mm x 600mm	210	230 V
TI-681-SIT-M4	25mm x 1200mm	420	230 V
TI-681-SIT-M6	25mm x 1800mm	630	230 V
TI-682-SIT-L2	25mm x 600mm	210	110 V
TI-682-SIT-L4	25mm x 1200mm	420	110 V
TI-682-SIT-L6	25mm x 1800mm	630	110 V

FLEXOTHERM

Heating Tape : Low Watt Density

catalog no.	size (width x length mm)	watt	volt
TI-681-SIT-L2	25mm x 600mm	80	230 V
TI-681-SIT-L4	25mm x 1200mm	160	230 V
TI-681-SIT-L6	25mm x 1800mm	230	230 V
TI-682-SIT-L2	25mm x 600mm	80	110 V
TI-682-SIT-L4	25mm x 1200mm	160	110 V
TI-682-SIT-L6	25mm x 1800mm	230	110 V



Silicon Heating Tape (180°C)

- Lead Wires on one end
- Extruded Silicone Rubber Outer Cover
- Max operation Temperature 180°C
- Moisture Resistant Construction.
- The Silicone Rubber Extrusion uses a low durometer with heat additives to produce the maximum exposure and continuous operating temperature capability, Longer Life, Lower Watt Density.
- Lower watts per inch of wire, enhances longer Life through better distribution of heat.
- Ultimate flexibility. 25mm wide tapes may, be easily applied to diameters as small as 12mm.
- Safe to use on conductive surfaces such as metal tubing.
- Temperature controller system (Digital / Thermostatic) can be provided for display, monitoring and safe operation.



CUSTOMISED DESIGN AVAILABLE

Silicon Heating Tape : 180°C

catalog no.	size (width x length mm)	watt	volt
TI-681-SIL-L2	25mm x 600mm	100	230 V
TI-681-SIL-L4	25mm x 1200mm	200	230 V
TI-681-SIL-L6	25mm x 1800mm	310	230 V
TI-682-SIL-L2	25mm x 600mm	100	110 V
TI-682-SIL-L4	25mm x 1200mm	200	110 V
TI-682-SIL-L6	25mm x 1800mm	310	110 V

Silica Heating Tape (600°C)

- Silica fiber heating tape is a type of electrical heating element or heating tape that is designed for high-temperature applications
- It is often used in industrial processes, laboratories, and various other settings where controlled heating is required at elevated temperatures.
- Construction:-Silica fiber heating tape is typically made from high-purity amorphous silica fibers, which have excellent resistance to high temperatures and can withstand temperatures well above 1000°C (1832°F). The silica fibers are often woven into a tape-like form
- Flexibility: Silica fiber heating tape is flexible and can be wrapped around or shaped to fit the specific object or surface that needs to be heated. This flexibility makes it suitable for various heating applications, including pipes, vessels, and laboratory equipment.
- Uniform Heating: It provides uniform heating along its length, ensuring that the target area reaches and maintains the desired temperature consistently.



catalog no.	size (width x length mm)	watt	volt
TI-681-HST-H2	25mm x 600mm	450	230 V
TI-681-HST-H4	25mm x 1200mm	900	230 V
TI-681-HST-H6	25mm x 1800mm	1350	230 V

FLEXOTHERM

Flexible Insulated Heating Cord (400°C)

- Designed for use on small tubes, vessels, or any application where space is limited.
- Heating cords are used when heating tapes are too bulky or cumbersome
- Ideal for laboratory, R&D, gas tubing, production, maintenance, temporary heat, and more...
- These 6 mm diameter cords solve a wide range of limited-space heating applications in laboratory, production, Industrial applications.
- 400°C High Temperature Capability for continuous use.
- Rapid thermal response.
- Temperature controller system (Digital / Thermostatic) can be provided for display, monitoring and safe operation.



High Wattage : Rapid Heating Cords (641 series)

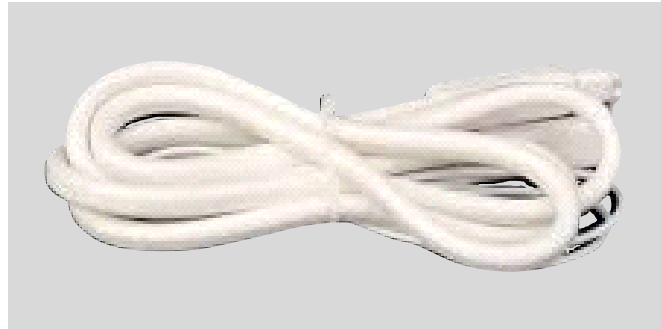
catalog no.	length (mm)	watt	volt
TI-641-INS-H1	1000mm	200	230 V
TI-641-INS-H2	2000mm	400	230 V
TI-641-INS-H3	3000mm	600	230 V
TI-641-INS-H4	4000mm	800	230 V
TI-641-INS-H5	5000mm	1000	230 V

Low Wattage : Heating Cords (64 series)

catalog no.	length (mm)	watt	volt
TI-64 A	2500 x 3 cords	125 x 3	230 V
TI-64 B	5000 x 3 cords	250 x 3	230 V
TI-64 C	10000 x 3 cords	500 x 3	230 V
TI-64 D	20000 x 3 cords	1000 x 3	230 V

Silicon Heating Cord (100°C)

- Heating Cords with Silicone Rubber Cover provided for use on Conductive and moisture surface.
- Safe for use with metal and electrically conductive surfaces.
- Widely used in application involving condensation prevention etc
- Maximum exposure temperature - (Removable & reusable use 100°C)
- Temperature controller system (Digital / Thermostatic) can be provided for display, monitoring and safe operation.



catalog no.	length (mm)	watt	volt
TI-641-SIL-L1	1000mm	40	230 V
TI-641-SIL-L2	2000mm	80	230 V
TI-641-SIL-L3	3000mm	120	230 V
TI-641-SIL-L4	4000mm	160	230 V
TI-641-SIL-L5	5000mm	200	230 V

Temperature Control Options

Digital Temperature Control

- Digital on/off controller
- Compact portable design
- Plug-in operation
- Advanced PID control
- RTD or Type-K thermocouple input



Time Percentage Controller

A time percentage control varies the proportion (length) of time the heater is in the on or off heating mode. The controller does not use a temperature sensor therefore satisfactory operation required continues supervision under changing load condition.





Tempo Instruments Manufactures flexible surface heaters with experience in Design, Engineering and flexible electric heaters and controllers since 1951 to bring customer the very best product

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