

**pipe tracing cable|pipe tracing heating tape cables|self regulating heat tape for pipes** is a product that converts electrical energy into heat energy to prevent freezing and heat preservation of liquid pipelines. When pipelines need to be insulated in winter, pipeline electric heating cables are generally used. Compared with traditional steam tracing, electric tracing is more stable, its tracing is even, it is easy to install, there is no running, emitting, dripping, leaking, etc., so it is more widely used. At the same time, electric heating cables are more widely used in pipeline antifreeze in cold regions such as North America and Northern Europe. The technology is mature, the product is stable, and it has been used for more than 50 years. So what type of heating cable is suitable for pipeline antifreeze and insulation?

Commonly used electric heat tracing can be divided into the following types for different pipelines (tanks):

#### [Self-limiting temperature heating cable](#)

With the increase of temperature, the resistance of this heating cable becomes larger and the power becomes smaller. Because of the large current when it starts, the length of use is generally not more than 100 meters. The heating cable can be cut at will. No matter how long it is, it can generate heat when connected to the rated voltage. The use of self-limiting temperature heating cables accounts for more than 90% of pipeline heating and insulation. It is suitable for winter antifreeze of water pipes and low temperature control of medium pipes. Superior performance and long service life. Up to about 10 years.

#### [Constant power heating cable](#)

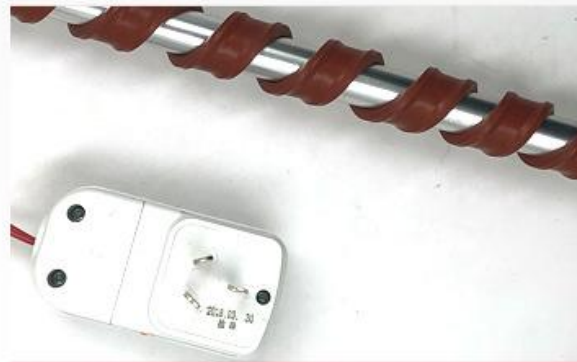
The power output of the constant-power electric tracing cable is always constant after being energized, and will not change with changes in the external environment, heat preservation material, and heat tracing material, and the power output or stop is usually controlled by a temperature sensor. Compared with the self-limiting temperature heating cable, the constant power heating cable has a longer length, generally 100-2000 meters. Secondly, the heating temperature is higher, and the self-heating temperature is from 100 to 300 degrees, which is suitable for the specific high temperature control of industrial media.

#### **Silicone rubber electric heating cable**

## Installation method of silicone rubber heating cable



1, Wind the heating tape around the pipe surface



2, Find out the leakage protection switch



3, Fix the heating tape on the surface of the pipe with heat-sensitive tape



4, Set the temperature control range of the thermostat

This heating belt can be used for the heating, tracing and heat preservation of industrial equipment or laboratory tube boxes, tanks and tanks, oil drums (tanks) in humid, non-explosive gas places, and the length of the heating belt is 1-15 meters.

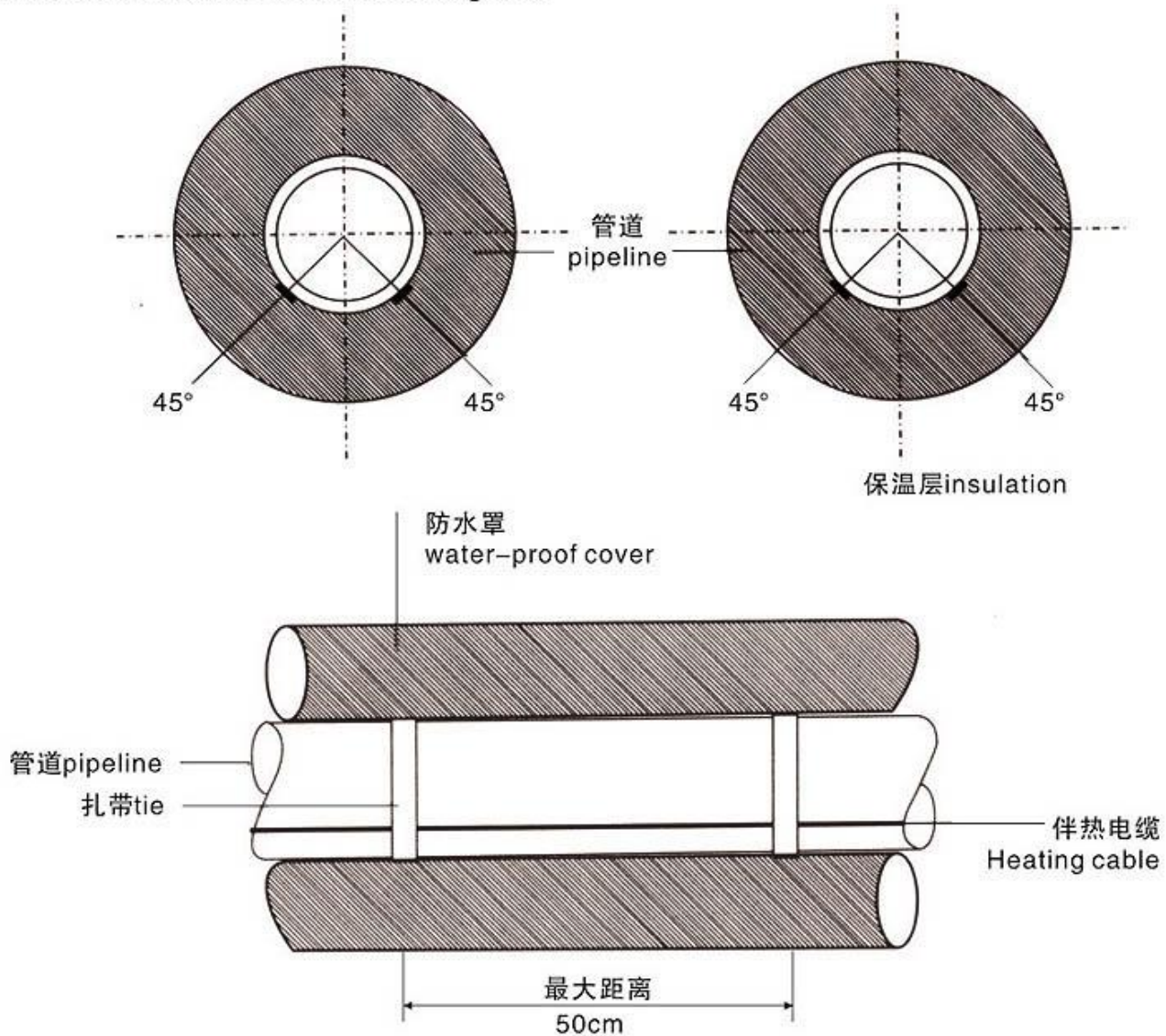
### MI heating cable

This heating cable is composed of a metal core (heating body), a mineral magnesium oxide (insulation layer) tightly around the core, and a metal tube (usually copper, steel or stainless steel, etc.) that has been drawn many times. The continuous working temperature can reach 250-590°C, and the short-term working temperature can reach 1083°C, making the length 18-680 meters.

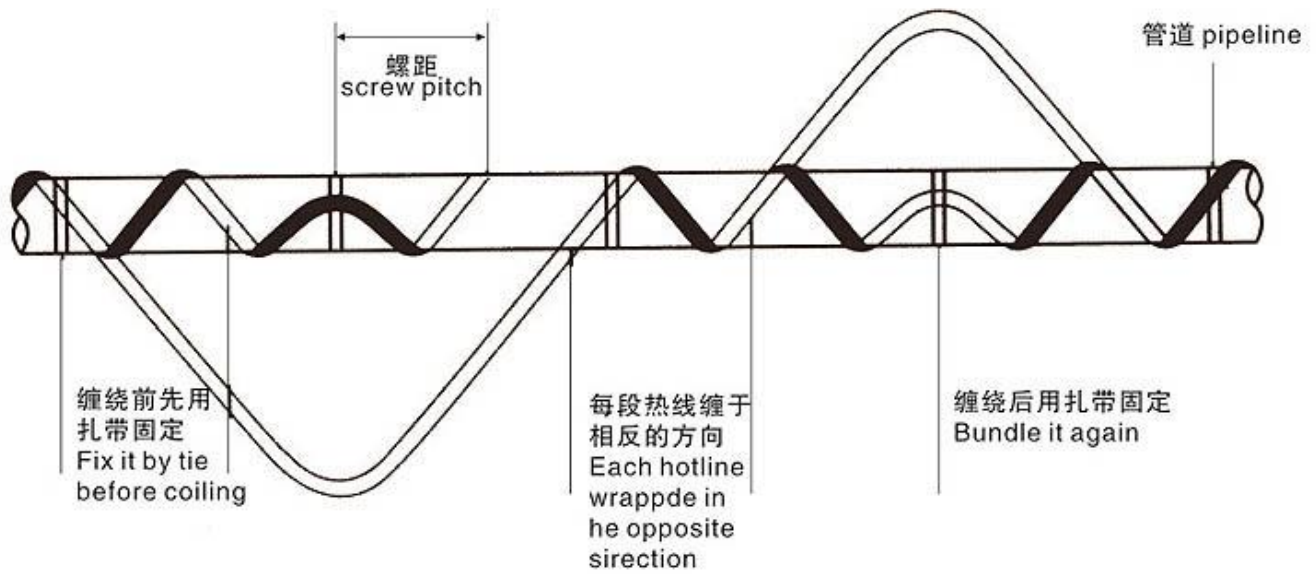
### Precautions for installation of pipeline heating cable

The installation of pipeline electric heating cable is divided into winding installation and flat laying installation. The installation method needs to be determined according to the actual situation of the site, the length of the pipeline and the model of the pipeline electric heating cable. The pipes that need to be installed with electric heating cables must be dry, not wet or installed with water. When selecting multi-circuit power supply during construction, the total power should be added to consider the carrying capacity of the electric heating cables of the pipeline, and the larger starting power should be considered in advance .

#### ■ Parallel installation of electric heating cable



■ Electric heating cable winding installation



When installing the **pipe tracing cable|pipe tracing heating tape cables|self regulating heat tape for pipes**, you must also be careful not to drag, pull, step on or bend, which will cause damage to the electric heating cable and prevent normal installation and operation.