

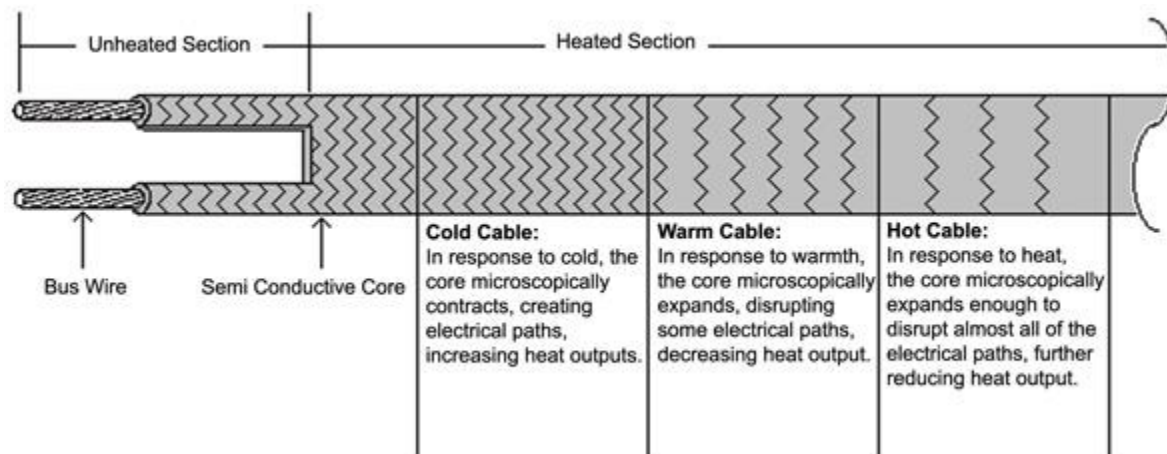
In severe cold weather in winter, the water pipes in cold regions of the world such as the United States, Canada, Northern Europe and other regions will be affected by the weather in winter, and the phenomenon of freezing and blocking will occur. As long as the **self-limiting temperature water pipe electric heating cable antifreeze** is fixedly laid on the surface of the pipeline and an insulation layer is applied, the heat output of the water pipe electric tracing cable can effectively remove the cold blocking phenomenon and increase the temperature of the medium in the pipe. Because anti-freezing of water pipes is often a less demanding occasion, it is out of economic considerations. Usually choose the self-limiting temperature heating cable, and it is an ordinary self-limiting temperature heating cable. The structure is simple and the installation is convenient.

**self-limiting temperature water pipe electric heating cable antifreeze structure**



1. Wire core; 2. Conductive plastic layer: flame-retardant PTC; 3. Insulation layer: flame-retardant polyolefin

Antifreeze principle of [heating cable](#)



self-limiting temperature water pipe electric heating cable antifreeze technical indicators

1. Standard color: black;
2. Temperature range: higher working temperature  $65\pm 5^{\circ}\text{C}$ ; maximum exposure temperature  $85^{\circ}\text{C}$ ; maximum withstand temperature: modified polyolefin  $105^{\circ}\text{C}$ , flame retardant polyolefin  $105^{\circ}\text{C}$ ,
3. Construction temperature: minimum  $-40^{\circ}\text{C}$ ;
4. Thermal stability: After cycling back and forth 300 times from  $10^{\circ}\text{C}$  to  $99^{\circ}\text{C}$ , the heating value of the heating tape is maintained above 90%;
5. Bending radius: 25.4mm at  $-20^{\circ}\text{C}$ ; 35.0mm at  $-30^{\circ}\text{C}$ .

Frequently asked questions about pipe heating cable installation can be found here, [Schematic diagram of common electric heating cable installation methods](#).

**self-limiting temperature water pipe electric heating cable antifreeze** Temperature characteristics

