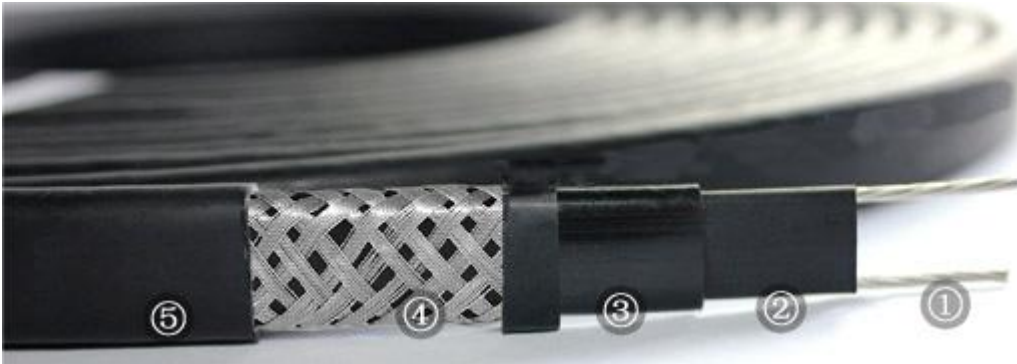


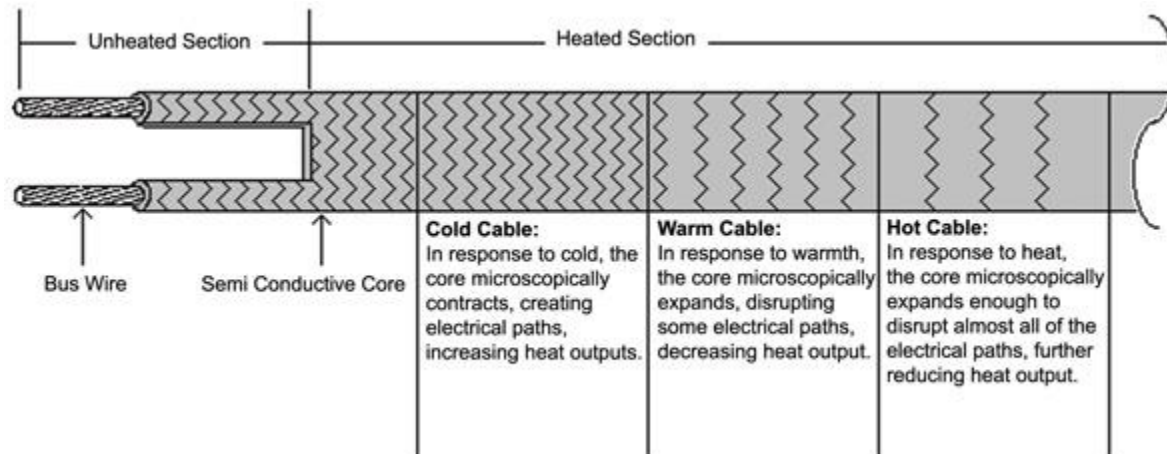
With the increase in the proportion of public facilities in the building and the increase in external equipment, the originally complicated piping system is increasingly exposed in the relatively open space. Therefore, the improvement of the safety standards of important pipelines in the construction has made the pipeline antifreeze system play an increasingly important role in the construction. On the one hand, while paying attention to environmental protection, on the other hand, in terms of antifreeze and heat preservation, an electric heating system is needed to keep the water in the pipeline from freezing in winter. **Fire-fighting water pipe self-limiting temperature heating cable** for fire protection, this product has the characteristics of heating, resistance, automatic heat preservation, temperature limitation and so on. It saves electric energy, during intermittent operation, the temperature rises automatically and quickly, and the installation and operation costs are low.

Fire-fighting water pipe self-limiting temperature heating cable structure



1. Tinned soft copper core wire is a conductor;
2. Conductive plastic layer;
3. Insulation layer;
4. Tinned copper wire braided shield;
5. Fluoroplastic F46 insulation anticorrosive jacket

Antifreeze principle of [heating cable](#)



Basic fire-fighting electric heating cables are generally used in places without grounding requirements and low ambient humidity; model: ZR-DWL-J; power: 15, 25 (W/m 10°C); voltage: 220v, 110v, 380v ; Theoretical maximum use length 100m

Fire-fighting reinforced electric heating cables are generally used in places with no grounding requirements and high ambient humidity. Model: ZR-DWL-F; Power: 15, 25 (W/m 10°C); Voltage: 220, 380V; Theory The maximum use length is 100m;

Fire shielded electric heating cables are generally used in places with grounding requirements and low ambient humidity. Model: ZR-DWL-P; Power: 15, 25 (W/m 10°C); Voltage: 220, 380V; Theory The maximum use length is 100m;

Fire shielding reinforced electric heating cables are generally used in places with grounding requirements and high ambient humidity. Model: ZR-DWL-PF; Power: 15, 25 (W/m 10°C); Voltage: 220, 380V; The maximum use length is 100m.

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

Fire-fighting water pipe self-limiting temperature heating cable Parameter index

1. Temperature range:

- Higher working temperature $65 \pm 5^{\circ}\text{C}$;
- Higher surface temperature 85°C ;
- Higher temperature resistance: 105°C for modified polyolefin and 105°C for flame-retardant polyolefin.

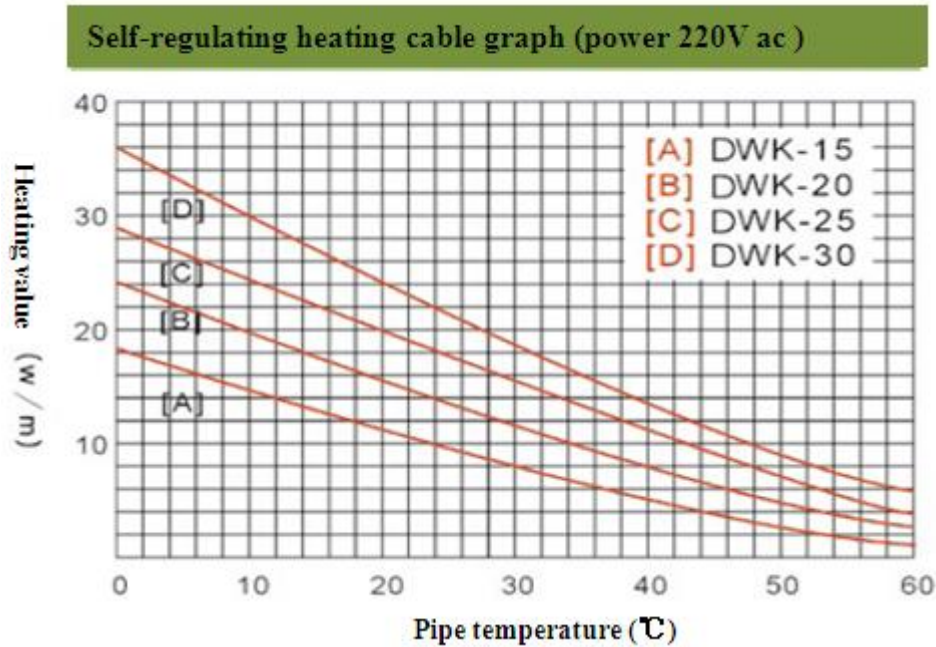
2. Construction temperature: lower -40°C , better construction temperature is above 0°C

3. Thermal stability: 300 times each on and off, and the heating value of the electric

heating cable is maintained above 90%.

4. Bending radius: 25.4mm at 20°C, 35.0mm at -30°C.

Fire-fighting water pipe self-limiting temperature heating cable Temperature characteristics



Fire-fighting water pipe self-limiting temperature heating cable for fire protection are widely used in fire hydrants, fire pipes and underground garage sprinkler systems, air-conditioning cooling system pipes for anti-freezing and heat preservation, and their medium maintains a temperature range of 0 ~ 65°C.