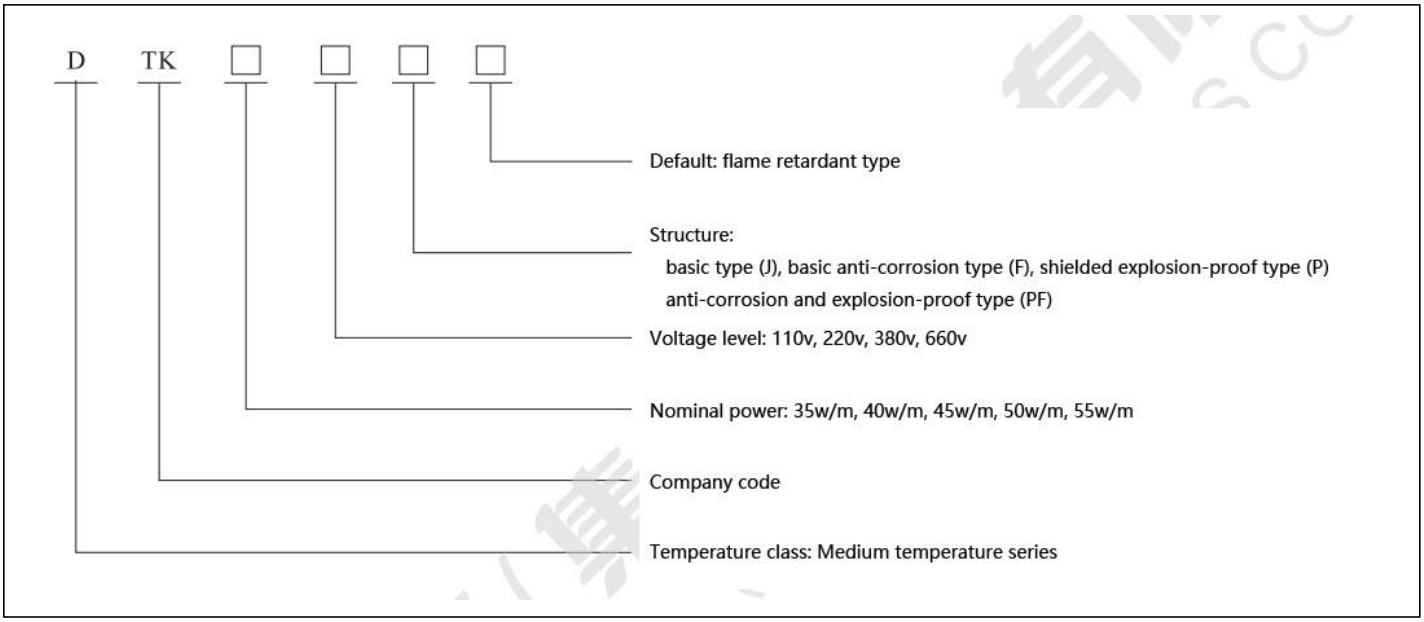
Self-limiting temperature series

The medium-temperature heating cable (self-limiting electric heating cable) developed by Anhui Tiankang (Group) Co., Ltd. is widely used in the pipeline and storage of industrial enterprises such as civil solar energy, geothermal heating, fire protection, petroleum, chemical industry, steel, and electric power. Heat tracing, heat preservation, anti-coagulation and anti-freeze. The cable is suitable for common areas, dangerous areas and corrosive areas.

1、Product model



2、Product structure

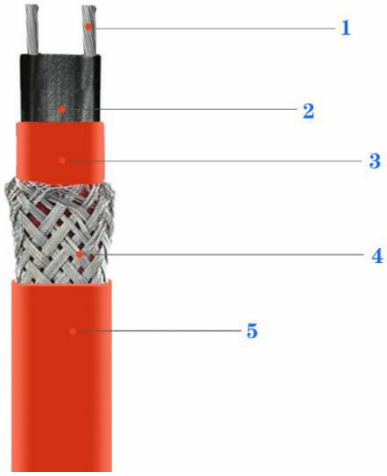
(1) Copper core wire: 7x0.52, 19x0.32, 19x0.41;

(2) Conductive plastic layer: ordinary PTC, flame-retardant PTC;

(3) Insulation layer: other applicable materials such as irradiated flame-retardant polyolefin, perfluorinated materials, etc.

(4) Shielding layer: tinned soft round copper wire or other metal wire, covering density not less than 80%;

(5) Sheath layer: flame-retardant polyolefin, perfluorinated materials and other applicable materials



3、Technical index

(1) Standard colors: brown, red (customizable);

(2) Temperature range:
The highest working temperature is 90℃, the highest surface temperature is 110℃, and the highest withstand temperature is 205℃;

(2) Construction temperature: minimum -40℃;

(3) Thermal stability:
After cycling back and forth 300 times from 10 to 105°C, the cable's calorific value is maintained above 90%;

(4) Bending radius: 30.4mm at -20℃, 40.6mm at -30℃;

(5) Insulation resistance: the insulation resistance between the conductor and the metal sheath/shielding layer should not be less than 500MQ;

Rated voltage	Test voltage	Technical requirements
<30v(AC,rms)	500v	There shall be no breakdown or flashover within one minute
<60v(DC)	500v	
36v	1600v	
110v	1600v	
220v	1760v	
380v	1760v	

4、Product advantages

(1) The temperature of the heating pipeline is uniform, will not overheat, and is safe and reliable;

(2) Save electric energy;

(3) In intermittent operation, the temperature rise starts quickly;

(4) Low installation and operating costs;

(5) Easy installation and maintenance;

(6) Facilitate automated management);

(7) No environmental pollution.