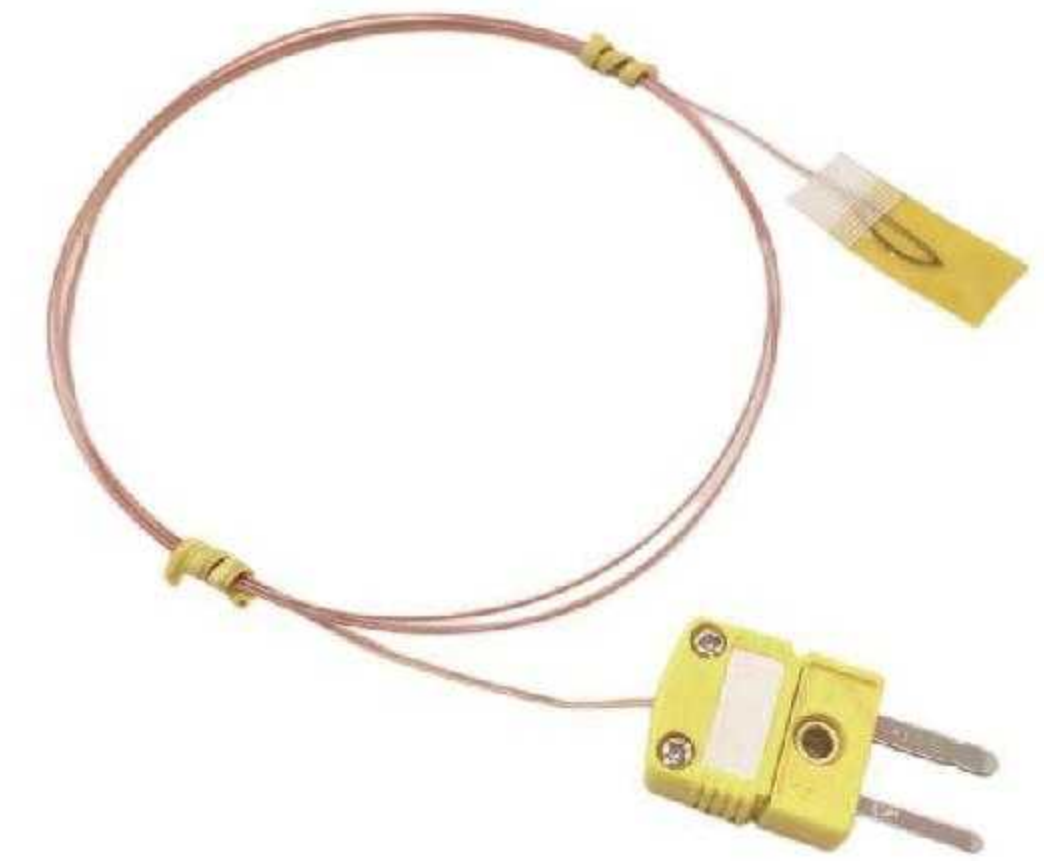
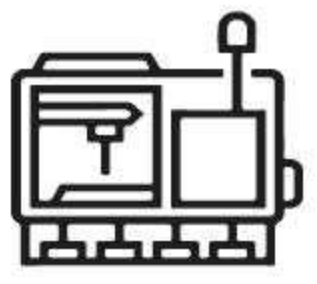


## TC600 Wire Type Thermocouple

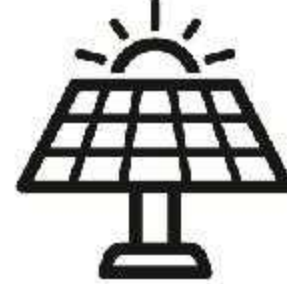
### Certification



### Application Scenarios



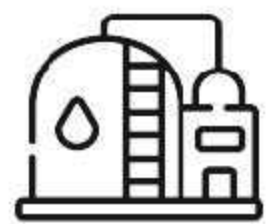
Mechanical  
equipment



Photovoltaic  
semiconductor



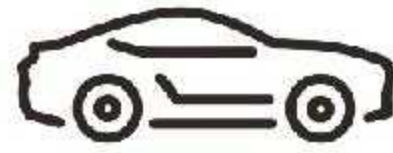
HVAC



Pharmaceutical  
equipment



Medical  
equipment



New energy

### Product Features

Range	Graduation	Scenario	Rich product range
-200...1600℃	R、S、B、K、N、 E、J、T, etc.	Measurement of various fluids such as liquids and gases Surface measurement of various structures	Customization is supported for product accuracy levels, dimensions, specifications, joints, installation methods, etc

### Product Description

Thermocouples convert temperature signals into electrical signals, facilitating temperature measurement, control, and amplification of temperature signals.

As a basic temperature measurement unit, thermocouples have high accuracy and a wide temperature measurement range, which can adapt to the requirements of various measurement scenarios and are also suitable for long-distance measurement and automatic control.

Widely used in various mechanical equipment, photovoltaic semiconductor equipment, new energy batteries, HVAC, food, pharmaceutical and hygiene equipment, medical devices, etc.



Technical Parameter

Tolerance table for standardized thermocouples:

Name	PtRh10 -Pt PtRh13 -Pt	PtRh30- PtRh 6	NiCr-NiSi	NiCr-CuNi	Fe-CuNi	Cu -CuNi	NiCrSi -NiSi	
Graduation	S、 R	B	K	E	J	T	N	
Tolerance	I	—	- 40 ~ 1000°C ±1.5°C or ±0.4%t	- 40 ~ 800°C ±1.5°C or ±0.4%t	- 40 ~ 750°C ±1.5°C or ±0.4%t	- 40 ~ 350°C ±0.5°C or ±0.4%t	- 40 ~ 1000°C ±1.5°C or ±0.4%t	
	II	0 ~ 600°C ±1.5°C 600 ~ 1600°C ±0.25%t	600 ~ 1700°C ±0.25%t	- 40 ~ 1200°C ±2.5°C or ±0.75%t	- 40 ~ 900°C ±2.5°C or ±0.75%t	- 40 ~ 750°C ±2.5°C or ±0.75%t	- 40 ~ 350°C ±1°C or ±0.75%t	- 40 ~ 1200°C ±2.5°C or ±0.75%t
	III	—	600 ~ 800°C ±4°C 800 ~ 1700°C ±0.5%t	- 200 ~ 40°C ±2.5°C 或 ±1.5%t	—	- 200 ~ 40°C ±1°C or ±1.5%t	- 200 ~ 40°C ±2.5°C or ±1.5%t	

Temperature measurement form:

1



Common

2



Chip



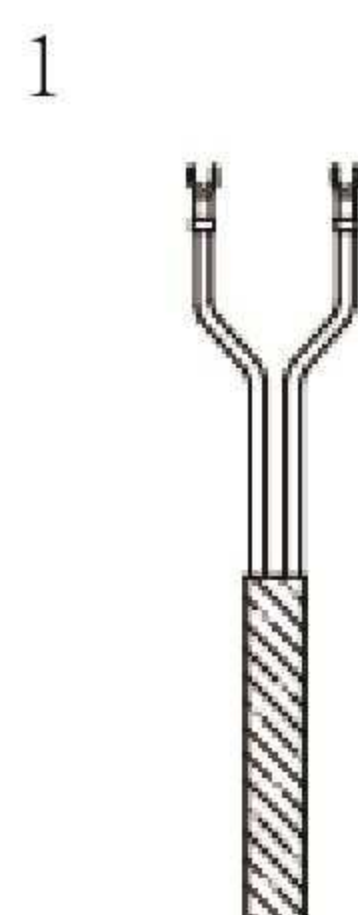
Wire specification table:

AWG	Outside Diameter		Sectional Area	
	Metric mm	British inch	(mm <sup>2</sup> )	
20	0.813	0.032	0.5189	Shares*Diameter
22	0.643	0.0253	0.5189	7*0.25
24	0.511	0.0201	0.2047	7*0.20
26	0.404	0.0159	0.1281	7*0.15
28	0.32	0.0126	0.0804	7*0.12
30	0.254	0.01	0.0507	7*0.10
36	0.127	0.005	0.0127	

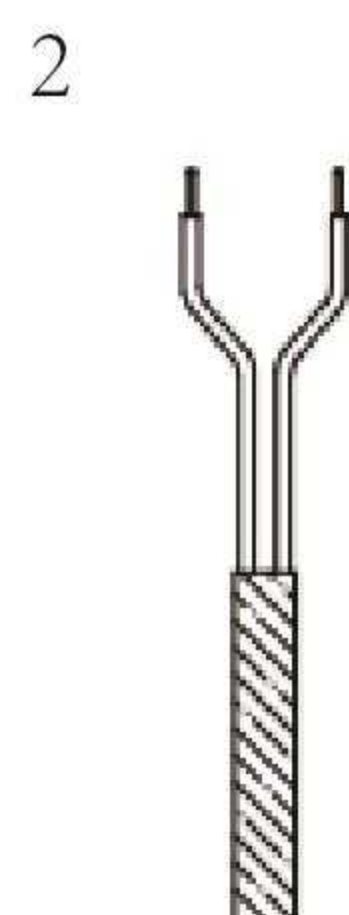
Temperature resistance table for each material:

Material	Max temperature resistance	Waterproof
PVC	105	Yes
PFA	260	Yes
Glass fibre	480	No
High silica 800	800	No

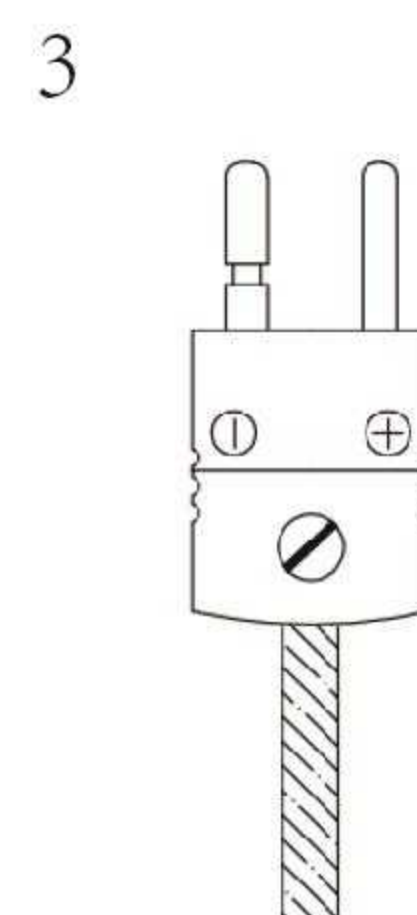
Terminal structure:



U-shaped terminal

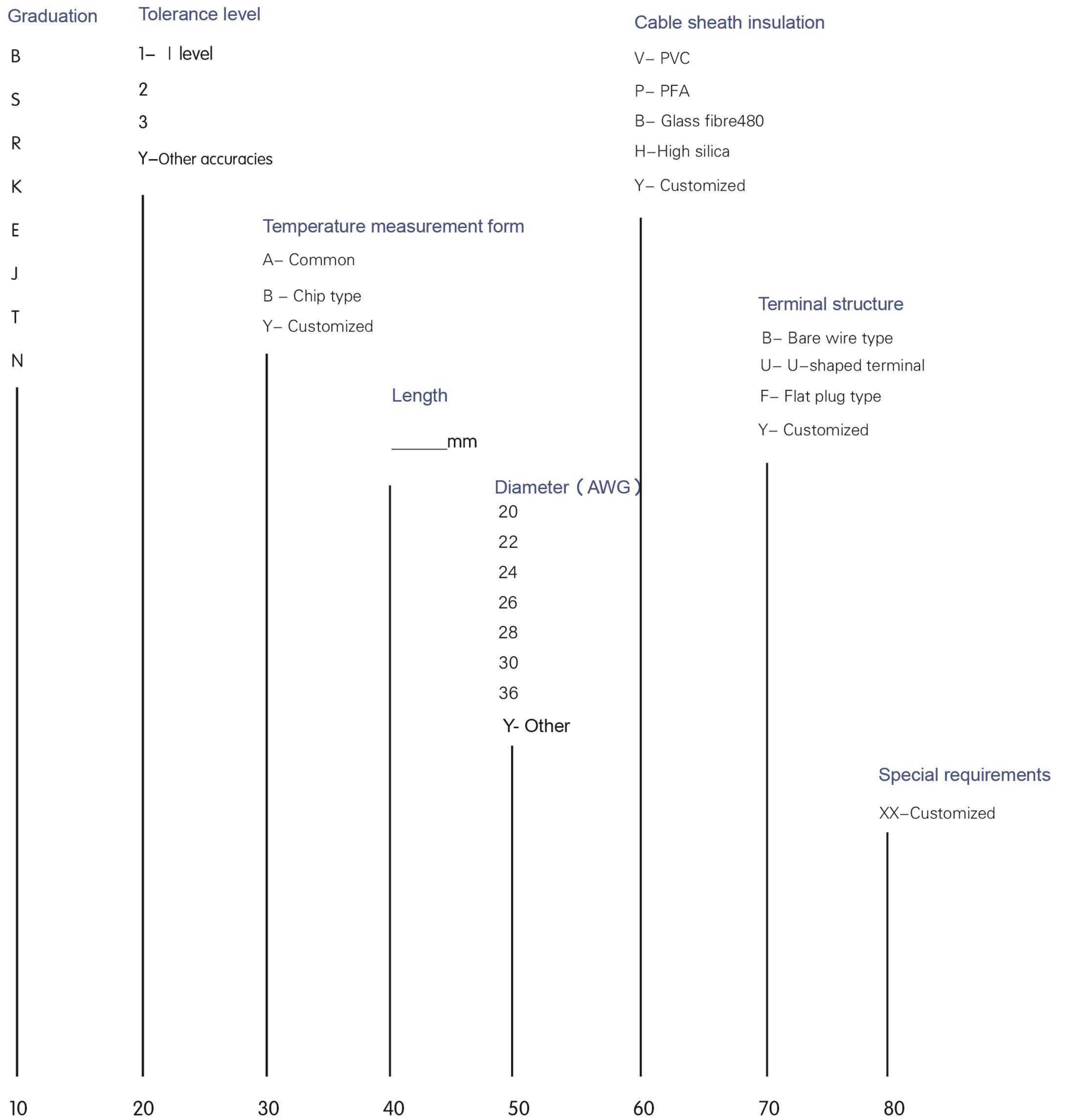


Bare wire type



Flat plug type





TC600 Wire type thermocouple

Selection rules:

Requirement: K-type, Class I, SMT type, 2000mm, 24AWG, PFA, flat plug type, temperature measurement range: 400~1000 °C.

Model selection: TC600-K1B-2000 \* 24-FF