



# TEMPERATURE SENSOR Type K thermocouple (Some are UL certified.)

## 温度センサー

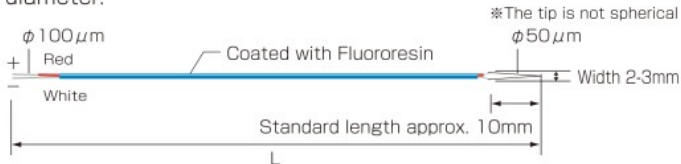
### Ultrafine type K thermocouple

#### Selection Standard

It is suitable for measurement of ultrafine part and gas temperature.

This ultrafine thermocouple with ultra-high-speed response is one of the industry's best in the field.

The tip of the thermocouple is a thermocouple with 50 $\mu$ m diameter.



Normal limit: 260°C Tolerance: Class2 ( $\pm 2.5^\circ\text{C}$  or  $\pm 0.75\%$ )

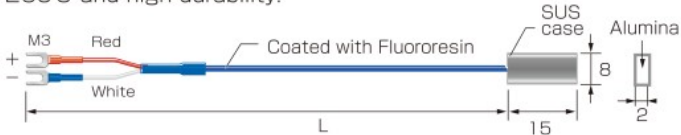
Product code	L(m)
TH-8910-1	1.0

### Stick type K thermocouple

#### Selection Standard

It is recommend if the detection section is planar or flat.

This is a sensor with stable sensing of its heat resistance of 260°C and high durability.



Normal limit: 260°C Tolerance: Class2 ( $\pm 2.5^\circ\text{C}$  or  $\pm 0.75\%$ )

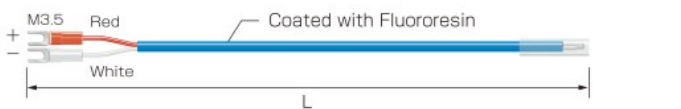
Product code	L(m)
TH-8282	2.0

### Mold type K thermocouple

#### Selection Standard

The tip is molded with resin and is recommended for measurements in liquids.

The sensor with heat resistance of 200°C and waterproofing.



Normal limit: 200°C Tolerance: Class2 ( $\pm 2.5^\circ\text{C}$  or  $\pm 0.75\%$ ) **Waterproof type**

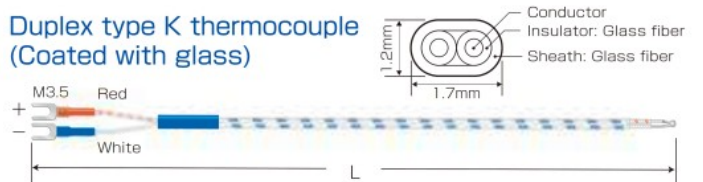
Product code	L(m)
TH-8484-3	3.0

### Duplex (tip welding) type K thermocouple

#### Selection Standard

The duplex type K thermocouple is the one whose thermocouple element wire is coated with Fluororesin or glass. It is used without protective tube.

#### Duplex type K thermocouple (Coated with glass)



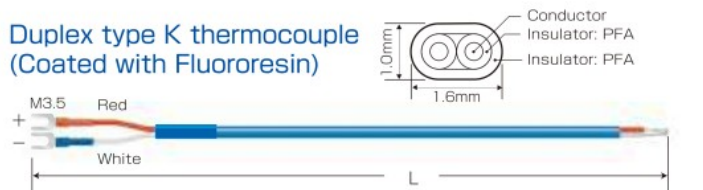
Normal limit: 250°C Tolerance: Class2 ( $\pm 2.5^\circ\text{C}$  or  $\pm 0.75\%$ ) Wire diameter: 0.32mm

Product code	L(m)
TH-8162-1~TH-8162-20	2,000
TH-8282-2	2.0
TH-8282-3	3.0
TH-8282-5	5.0
TH-8282-10	10.0
TH-8282-20	20.0

Normal limit: 250°C Tolerance: Class1 ( $\pm 1.5^\circ\text{C}$  or  $\pm 0.4\%$ ) Wire diameter: 0.32mm

Product code	L(m)
TH-8296-1	1.0
TH-8296-2	2.0
TH-8296-3	3.0
TH-8296-5	5.0
TH-8296-10	10.0
TH-8296-20	20.0

#### Duplex type K thermocouple (Coated with Fluororesin)



Normal limit: 260°C Tolerance: Class2 ( $\pm 2.5^\circ\text{C}$  or  $\pm 0.75\%$ ) Wire diameter: 0.32mm

Product code	L(m)
TH-8181-1	1.0
TH-8181-2	2.0
TH-8181-3	3.0
TH-8181-5	5.0
TH-8181-10	10.0
TH-8181-20	20.0



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