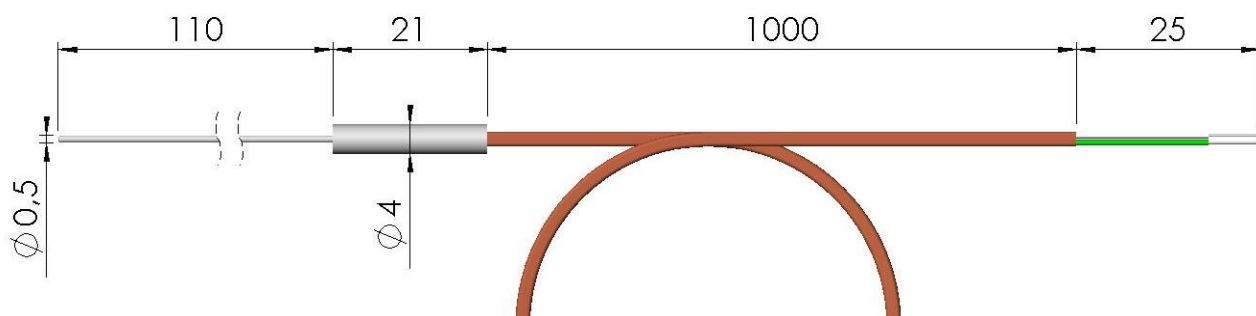




## Sheathed thermocouple with extension cable

### Model 8107000, in stock

#### Construction

Sheathed thermocouple with cable and 4 mm diameter transition junction to connect probe and wire.

#### Example of use

Temperature measurement in gases and liquids.

#### Maximum temperature

Probe: 1200 °C (See note)  
Transition junction: 100 °C  
Extension cable: 285 °C

Working temperature, environment and diameter of probe influence lifetime of the sensor.

#### Measuring probe

Sheath material: Inconel 600  
IEC 60584-2 class 1  
Thermocouple type K  
Measuring junction isolated

#### Signal termination

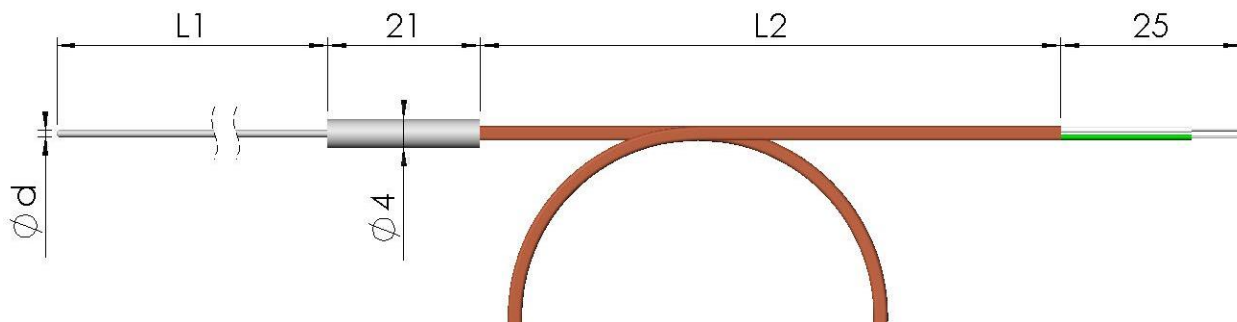
Polyimide-insulated cable type K/K-24 (AWG24=0,20 mm<sup>2</sup>) with stripped wires.

#### Certificate

Test value: Certificate EN10204 3.1

#### Part number

8107001-181



## Sheathed thermocouple with extension cable

### Model 8107000, built on order

#### Construction

Sheathed thermocouple with cable and 7 mm diameter transition junction.

#### Example of use

Temperature measurement in gases and liquids.

#### Maximum temperature

Probe:

| Type | Max temp<br>(See note) |
|------|------------------------|
| K    | 1200 °C                |
| N    | 1200 °C                |
| J    | 760 °C                 |
| T    | 370 °C                 |

Transition fitting: 100 °C

Cable: See Signal connection in our home page

#### Thermocouple probe

IEC 60584-2 class 1

| Type | Metal sheath               |
|------|----------------------------|
| K    | Inconel 600                |
| N    | Inconel 600                |
| J    | Acid-proof stainless steel |
| T    | Acid-proof stainless steel |

#### Measuring junction

|          |
|----------|
| Grounded |
| Isolated |
| Exposed  |

#### Diameter

| Ød (mm) |
|---------|
| 0.5     |
| 0.8     |
| 1.0     |
| 1.5     |
| 2.0     |
| 3.0     |

#### Cable termination

|                          |
|--------------------------|
| Stripped wires           |
| Standard size connector  |
| Miniature size connector |

| Cable design         | Max temp               |
|----------------------|------------------------|
| PVC-insulated        | 90-105 °C due to type  |
| Polyimide insulated  | 260-285 °C due to type |
| Glassfibre insulated | 510-700 °C due to type |

#### Colour code

According to IEC 60584:



#### Certificate

Test value: Certificate EN10204 3.1

#### Dimensions

Lengths L1 and L2 as required

#### Note

Working temperature, environment and diameter of probe influence lifetime of the sensor. Please contact Pentronic for advice.