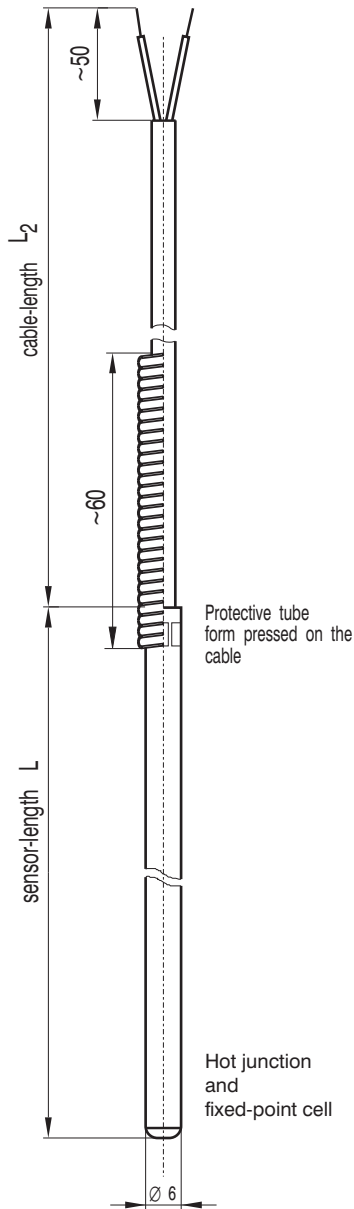


Thermocouples

Cable sensors

Series FP-KTE



Applications

Thermocouple with high stability fixed-point cell; the fixed-point substance forces a typical signal during its melting and freezing (fixed-point plateau); calibration curve deviations of the whole measuring circuit will be recognisable and could be corrected

Thermo junction

L (Fe-CuNi) DIN 43 710
 J (Fe-CuNi) DIN EN 60584
 K (NiCr-Ni) DIN EN 60584
 N (NiCrSi-NiAl) DIN EN 60584
 S (PtRh10-Pt) DIN EN 60584
 B (PtRh30-PtRh6) DIN EN 60584

Number of Thermo junction

1 thermocouple

Fixed point material

Bi33In67 72,5 °C
 In 156,59 °C
 Sn 231,93 °C
 Zn 419,53 °C
 Al67Cu33 548,2 °C
 Al87Si13 578,8 °C
 Al 660,32 °C
 Ag28Cu72 779,6 °C

Measuring point design

insulated, integrated in fixed point cell

Protective tube material

1.4571
 on inquiry

Protective tube diameter d

6 mm
 on inquiry

Sensor length L

on inquiry 50 ... 1000 mm

Thermocouples
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Compensating cable length L₂

on inquiry

Type of compensating cable

on inquiry

Bend protection

without
with spiral spring

Connector

free ends
connector on inquiry