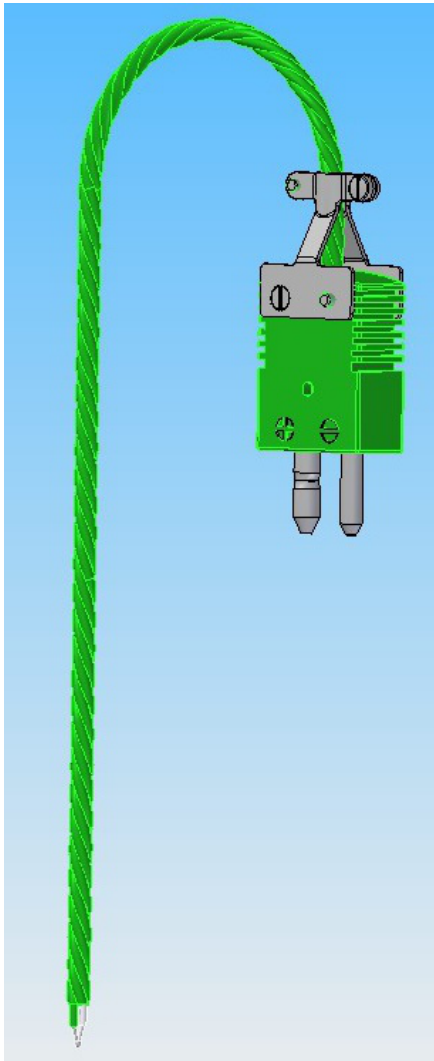


Cable thermocouple with plug
Type "T-Ka 20 (30,35,40,45) S"

Insulated wire thermocouples in flexible version with miniature thermal plug



Structure:

Thermocouples 1 (2) x Type "J" and "K", Basic values according to DIN EN 60584, Tolerance class 1 or 2, Type "L" according to DIN 43710, Tolerance class 2, thermocouple junctions optionally insulated or bare, Insulation materials of the thermoelectric lead glass silk, teflon or silicone.

Miniature standard thermal plug connected directly to the thermoelectric lead according to **DIN EN 50212** with contacts made of thermal material for thermoelectric-diameter:

- D = 2.0mm Thermal plug – Mini; flat contacts
- D = 3.0mm Thermal plug – Mini; flat contacts
- D = 3.5mm Thermal plug – Standard; round contacts
- D = 4.0mm Thermal plug – Standard; round contacts
- D = 4.5mm Thermal plug – Standard; round contacts

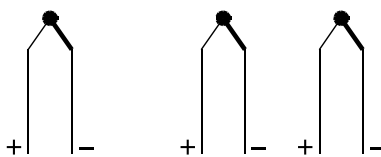
Diameters and lengths that are not listed can also be delivered. (For variants please refer to the worksheet).

Design of the thermocouples:

max. recommended temperature load for insulation materials:

	Silicone	Teflon	Glass silk	Glass silk "HT"	Ceramic fibre
D = 2.0mm	-/-	240°C	400°C	-/-	-/-
D = 3.0mm	-/-	240°C	400°C	500°C	-/-
D = 3.5mm	180°C	240°C	400°C	500°C	-/-
D = 4.5mm	180°C	240°C	-/-	-/-	1000°C

Types of wiring:



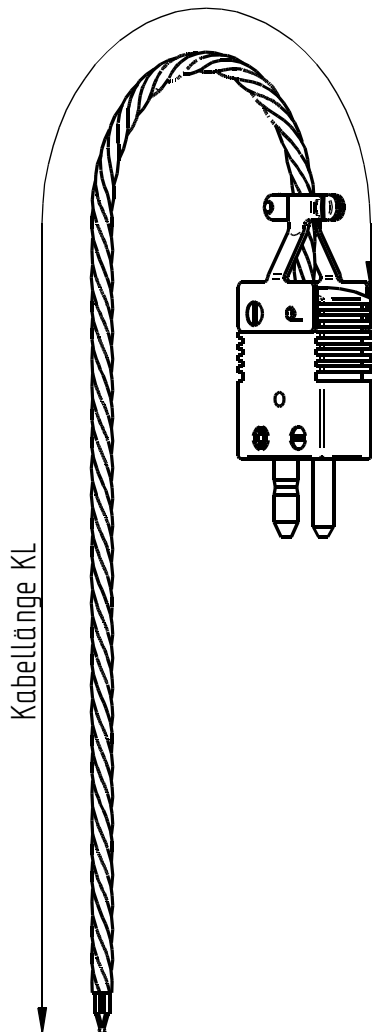
Element single Element dual

Areas of application:

- Laboratories
- Pilot plants
- Ventilation and air conditioning systems at locations that are difficult to access
- Can be glued or soldered to plant parts for gas, steam, fluids

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Structure and insulation material:

Teflon-Single strands; twisted	D= approx. 2.0mm		
Teflon/Teflon	D= approx. 3.0mm		
Teflon/Wire/Teflon	D= approx. 3.0mm		
Glass silk/Glass silk	D= approx. 3.0mm		
Glass silk/Glass silk/Wire	D= approx. 3.5mm		
Teflon/Silicone	D= approx. 3.5mm		
Silicone/Silicone	D= approx. 4.5mm		
others _____			

Nominal length NL:

100mm			1000mm		
300mm			2000mm		
500mm			Others _____		

Plug-in connection:

Size Mini with flat contacts	(up to diameter DMA= 3.0mm)		
Standard with round contacts	(from diameter DMA= 3.0mm)		

Plug temperature 200°C | | 350°C | | 650°C | |
 Version up to 650°C only as standard thermal plug with round contacts.

single (1 Element) | | dual (2 Elements) | |

Temperature load: Measurement point: from | | to | | °C Environment/Connector: | | °C

Sheathed thermocouple:

NiCr-Ni "K"	single			dual		
Fe-CuNi "J"	single			dual		
Fe-CuNi "L"	single			dual		
Others _____						

Additional specification/ Remarks:

Tolerance class: Measurement point:

Class "2"			welded insulated		
Class "1"			junction bare		
Others _____			ground welded		

Company	:	_____	Your Ref.	:	_____
Contact person	:	_____	Quantity	:	_____
Street/Place	:	_____	Del. time	:	_____
Email address	:	_____	Telephone	:	_____