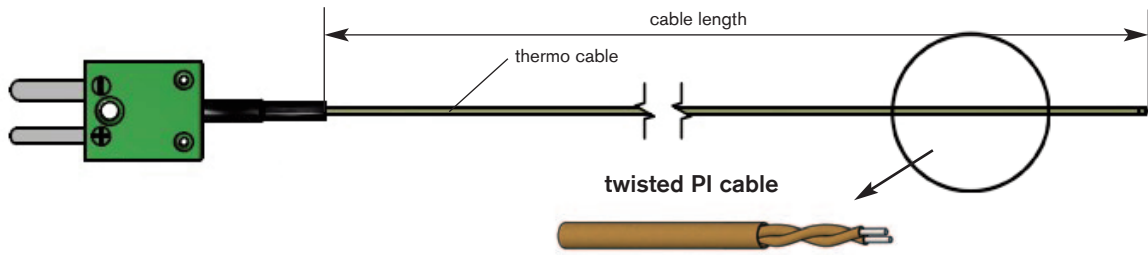


## Special thermocouple type K

surface thermocouple made of twisted thermo cable



### Application range:

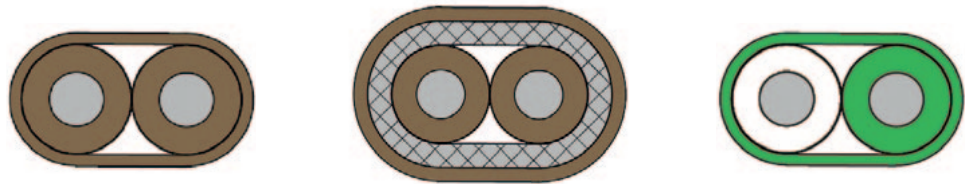
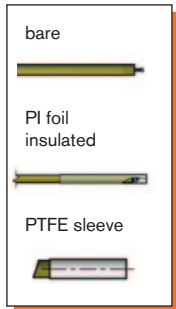
for example for temperature collection at Hairpin windings in the stator of E-drives. The scattering effect of electromagnetic radiation from the surrounding copper windings shall not distort the measuring result.

### Connector:

e.g. miniature thermo plug type K (as shown in the figures)

### Sensor:

Thermocouple:	1 x type K
Limit deviation:	class 1
Measuring point:	see Illustration of measuring tips
Temperature range single channel:	-40°C / +250°C
Response time:	on request



### Cable data:

	PI (polyimide)	PI (polyimide)	PFA
<b>Designation:</b>	twisted PI thermo cable	screened and twisted PI thermo cable	twisted PFA thermo cable
<b>Insulation:</b>	PI foil insulation	PI foil insulation	PFA
<b>Outer sheath:</b>	PI foil insulation	PI foil insulation	PFA
<b>Stranding:</b>	paired construction (for EMC)	paired construction (for EMC)	paired construction (for EMC)
<b>Outer diameter:</b>	approx. 0,85 mm	approx. 1,05 mm	approx. 0,80 mm
<b>Temperature range</b>			
fixed laying:	-40°C / +250°C	-40°C / +250°C	-40°C / +250°C
flexible application:	-40°C / +250°C	-40°C / +250°C	-40°C / +250°C

1.2.1

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### CONFIGURATION EXAMPLES

item no.	type	measuring tip	cable	cable length m	connection end
T100-061-046	K	PTFE sleeve	2 x 0,20 mm PI twisted	1.5	miniature thermoplug
T100-061-998	K	PI foil	2 x 0,20 mm PI twisted	2.0	bare
T100-060-628	K	bare	2 x 0,20 mm PI twisted	2.0	miniature thermoplug
T100-060-629	K	bare	2 x 0,20 mm PI twisted	3.0	miniature thermoplug
T100-061-276	K	bare	2 x 0,20 mm PI twisted	1.0	bare

### SAB identification:

item number, batch number