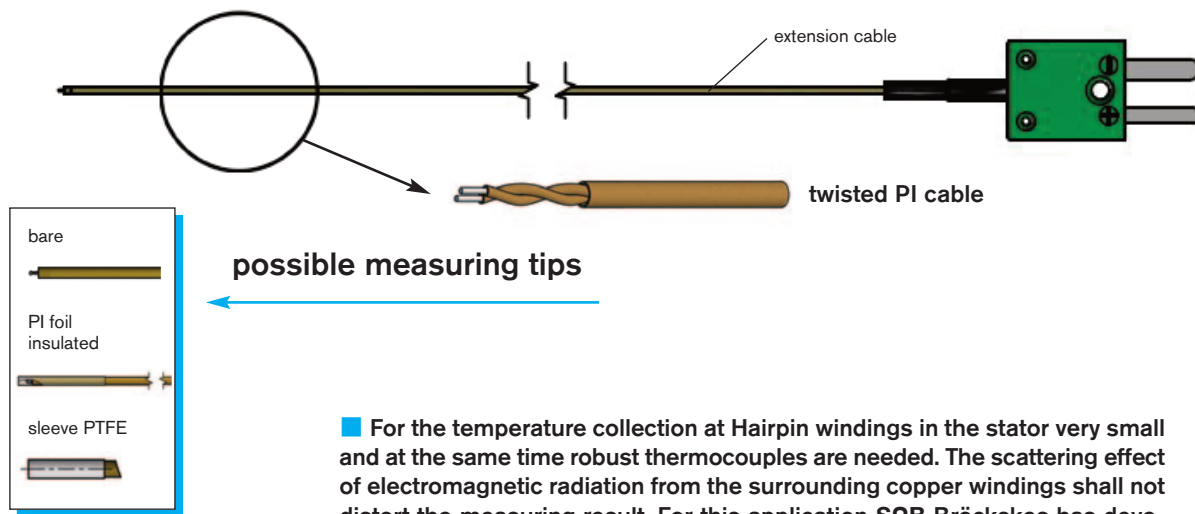


TEMPERATURE MEASUREMENT

ON SURFACES

Surface thermocouple with twisted cores / screened cable
for measurements in EMC critical areas as for example rotor / stator



■ For the temperature collection at Hairpin windings in the stator very small and at the same time robust thermocouples are needed. The scattering effect of electromagnetic radiation from the surrounding copper windings shall not distort the measuring result. For this application SAB Bröckskes has developed different surface thermocouples. The necessary cables have been optimised in our own cable works with regard to screening and twisting.

Thermocouple:

- ☐ 1 x type N
- ☐ 1 x type K
- ☐ other thermocouples _____

Connection cable:

- ☐ L0433-9138, 2 x 0,20 mm Ø, cores next to each other, PI foil insulation KN/KP bare/PI sheath, type K, -40...+ 250°C, outer-Ø approx. 0,7 mm
- ☐ L0433-9262, 2 x 0,20 mm Ø, twisted cores, PTFE foil NP/NN bare/PI-sheath, type N, -40...+ 250°C, outer-Ø approx. 0,8 mm
- ☐ L0433-9279, 2 x 0,20 mm Ø, twisted cores, PI foil insulation/sheath, type K, -40...+ 250°C, outer-Ø, approx. 0,85 mm
- ☐ L0433-9280, 2 x 0,20 mm Ø twisted cores, PI foil insulation/nickel-plated copper braid/PI-sheath, type K, -40...+ 250°C, outer-Ø approx. 1,05 mm

Connection cable length:

- ☐ 0,50 m
- ☐ 1,00 m
- ☐ 1,50 m
- ☐ 2,00 m
- ☐ 3,00 m
- ☐ 5,00 m
- ☐ 10,0 m
- ☐ other length _____ m

Connection ends:

- ☐ miniature thermoplug ☐ miniature socket
- ☐ free ends _____ mm
- ☐ other connection ends
- ☐ with batch certificate and identification

CONFIGURATION EXAMPLES

item no.	type	measuring tip	cable	cable length mm	connection ends
T100-061-046	K	sleeve PTFE	2 x 0,20 mm PI stranded	1500	miniature thermoplug
T100-061-998	K	PI foil	2 x 0,20 mm PI stranded	2000	bare
T100-060-628	K	bare	2 x 0,20 mm PI stranded	2000	miniature thermoplug
T100-060-629	K	bare	2 x 0,20 mm PI stranded	3000	miniature thermoplug
T100-061-276	K	bare	2 x 0,20 mm PI stranded	1000	bare
T100-062-000	K	PI foil	2 x 0,20 mm PI stranded	2000	bare