

Temperature Measurement Battery systems- TMB

High Voltage-Sensing cable for temperature measurements at electronic components



High voltage-Thermocouple

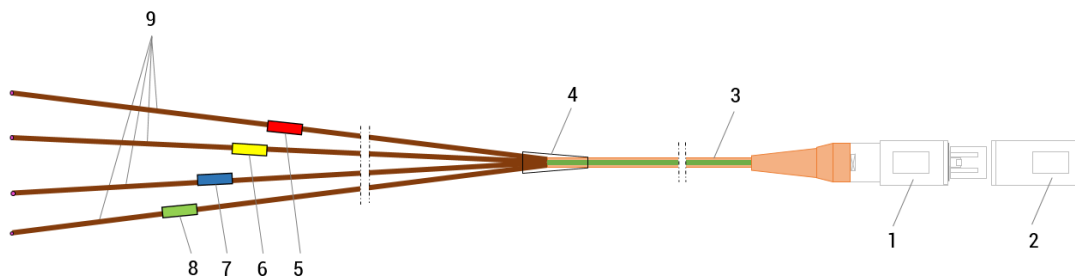
Type 4-CH-HV-KN-K

General product characteristics

Operational temperature	-40°C to +150°C (3000 h)
Min. bending radius	12 x conductor diameter
Withstand voltage	min. 3,7 kV AC to max. 6 kV DC
Inner sheath	FEP
Outer sheath	Polyurethan (PUR)
Construction ISO	measuring tips with shrinking tube insulated
Construction N-ISO	measuring tips 3 mm exposed

Other types available on request.

Schematic



- | | | | |
|----|------------------------------|----|-----------------------------------|
| 10 | 1 Lemo plug 8 poles | 10 | outer sheath \varnothing 4.5 mm |
| 11 | 2 sealing cap | 11 | thermocouples type K 2 x 0.2 mm |
| 12 | 3 HV cable 4-CH-HV-kN-K | 12 | Kapton conductor 0.7 x 1.1 mm |
| 13 | 4 shrinking tube black | 13 | FEP insulation 0.4 mm thick |
| 14 | 5 heat shrinking tube red | 14 | 3 x coloured fiber |
| 15 | 6 heat shrinking tube yellow | 15 | HV-TC-marking |
| | 7 heat shrinking tube blue | | |
| | 8 heat shrinking tube green | | |
| | 9 shrinking tube transparent | | |

