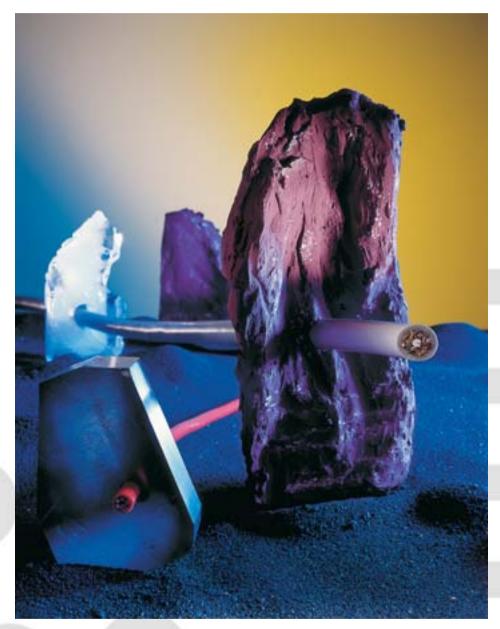


SPECIAL CABLES



SPECIAL CABLES

Products

Specia Cables

W-KABEL/CDT

Special Cables





Wrappings:

- Foils: PTFE, polyester, aluminium, laminated aluminium, copper and Kapton®
- Tapes: glass fibre, mica, fleece

Screening materials:

- Cu bare, tp, sp, np, braids and servings
- Wrappings with various foil materials

Specifications:

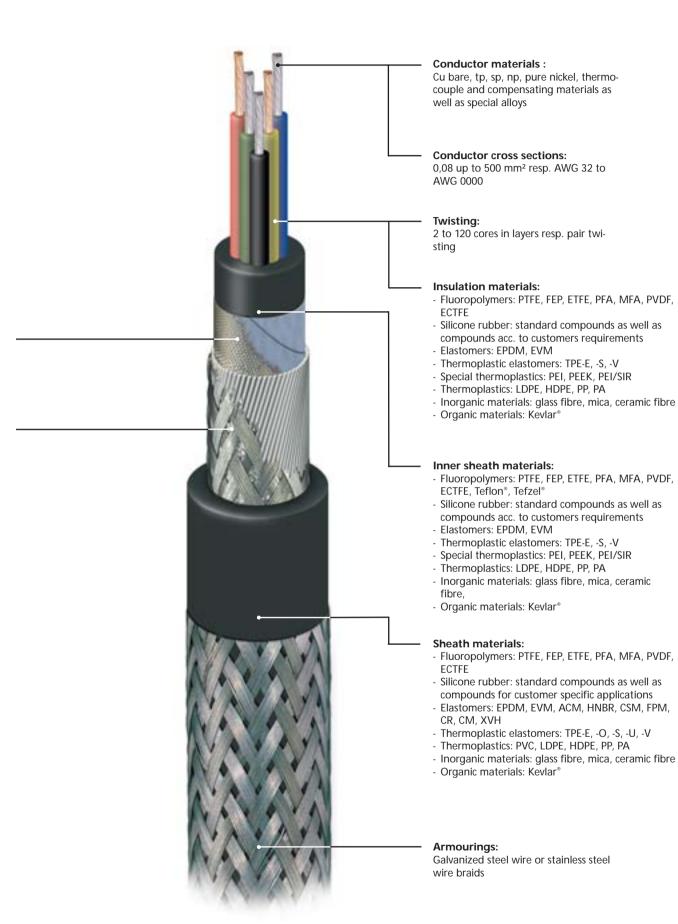
VDE, UL, CSA, combined VDE-, UL- and CSAapprovals, MIL-W-16878, MIL-W-22759, Germanischer Lloyd, DEMKO, FIMKO, NEMKO, SEMKO, PTB, ZEG, ISSEP, KEMA, glg, SEV, FTZÜ, BWB

Applications:

Automotive, lighting, chemical industry, EMC optimized data transfer, energy transfer, domestic appliances, highest and lowest temperatures, high frequency technology, refrigiration technology, leakage monitoring, aerospace, medical equipment, petro chemistry, robotics, sensory analysis, temperature measuring technology, traffic technology, shipbuilding industry etc.

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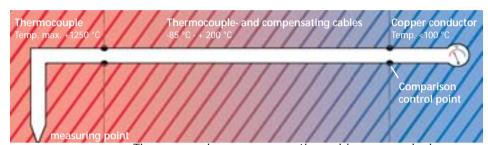
Products

Specia Cables

129 HEW-KABEL/CDT

Thermo- and Compensating cables

Thermocouple- and compensating cables function as a link between the open ends of a thermocouple and the comparison control point in a temperature measuring facility. In the following illustration the position of the particular element is shown. In order to gain exact measuring values thermocouples are used in high temperature areas. The chemical composition of these alloys guarantees the maximum possible accuracy.



Thermocouple- or compensating cables are used whenever there is a great distance between the measuring point and the comparison control point.

Criteria for selecting specific thermocouple- or compensating cables are:

- a) technical requirements e.g. temperature- and corrosion resistance
- b) economical aspects

At low temperatures cables with copper conductors can be used as links between the measuring instrument and the comparison control point.

But in most cases thermocouple- or compensating cables are installed to cover the whole distance.

Materials:

Thermocouples:

Serve as measurement transducers in a temperature measuring facility. High performance materials are applied (depending on standard and/or type) up to +1250°C. Normally solid conductors are used.

Thermocables (original materials):

Form the electric connection between thermocouple and comparison control point.

These materials have the same chemical structure as the corresponding thermocouple, but are only suitable for a temperature range -25°C and +200°C.

Compensating cables (alternative materials):

As thermocables above

These materials have a different chemical structure as the corresponding thermocouple, thus they are only suitable for a temperature range 0°C up to +100/200°C.