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| 0162051 | DATA SHEET |  |
| Valid from: 04.03.2024 | IEC compensating cable KN 9-022 L 2x0,22 | |

Application

The compensating cable KN 9-022 L 2 x 0,22 mm² is a PVC insulated cable which transmits the thermoelectric voltage of NiCr/Ni thermocouples. It is for flexible use and fixed installation in dry and damp rooms. They may only be installed outdoors with UV protection and in observation of the max. permitted temperature range.

Design

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| Conductor | 0.22 mm ² (7 x 0.20 mm) | |
| Conductor material | KCA alloying, accuracy class 2 acc. to IEC 60584-3 | |
| | Positive conductor: | Fe (iron) |
| | Negative conductor: | CuNi (cupronickel) |
| Core insulation | PVC compound | |
| Core identification | Positive conductor: | green |
| | Negative conductor: | white |
| Core layering | Cores twisted together | |
| Outer sheath | PVC compound, colour: | green |

Electrical properties

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| Tolerance class 2 | ±100 µV (±2.5 °C) / measuring point temperature +900 °C |
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Mechanical and thermal properties

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| Temperature range | occasional flexing: -5 °C up to +70 °C |
| Minimum bending radius | occasional flexing: 12 x outer diameter |
| Flammability | flame retardant acc. to IEC 60332-1-2 resp. EN 60332-1-2 |

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