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| 0152051                   | <b>DATA SHEET</b>                               |  |
| Valid from:<br>01.04.2019 | <b>DIN compensating cable KN 9-022 L 2x0,22</b> |  |

## Application

The compensating cable KN 9-022 L 2 x 0,22 mm<sup>2</sup> 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

|                     |   |
|---------------------|---|
| Conductor           | 0.22 mm <sup>2</sup> (7 x 0.20 mm)  |
| Conductor material  | KCA alloying, accuracy class 2 according DIN 43722<br>Positive conductor: Fe (iron)<br>Negative conductor: CuNi (cupronickel) |
| Core insulation     | PVC compound  |
| Core identification | Positive conductor: red<br>Negative conductor: green  |
| Core layering       | Cores twisted together  |
| Outer sheath        | PVC compound, colour: green   |

## Electrical properties

Limiting deviation class 2      ±100 µV (±2.5 °C) / measuring point temperature +900 °C

## Mechanical and thermal properties

|                        |   |
|------------------------|---|
| Temperature range      | occasional flexing:      -5 °C up to +70 °C                     |
| Minimum bending radius | occasional flexing:      12 x cable diameter                    |
| Flammability           | flame retardant in acc. to IEC 60332-1-2 resp. VDE 0482-332-1-2 |

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