

| | | |
|---------------------------|---|--|
| 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

| | | |
|---------------------|--|--------------------|
| 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

| | |
|-------------------|---|
| Tolerance 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 outer diameter |
| Flammability | flame retardant acc. to IEC 60332-1-2 resp. EN 60332-1-2 |

AbN
automation

| | | |
|---|--------------------------------------|-------------|
| Creator: LUJU/PCS Released: ALTE/PDC | Document: DB0162051EN Version: 02 | Page 1 of 1 |
|---|--------------------------------------|-------------|

We reserve all rights according to DIN ISO 16016.

PD 0019/05_04.18EN