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| 0153023                   | <b>DATA SHEET</b>                                       |  |
| Valid from:<br>2025-01-23 | <b>DIN compensating cable KP 15 L-SIL-S 2x1,5 round</b> |  |

## Application

The compensating cable KN 15 L-SIL-S 2x1.5 mm<sup>2</sup> is a silicone insulated cable which transmits the thermoelectric voltage of PtRh/Pt thermocouples. It is for flexible use and fixed installation in dry rooms with low mechanical load. They may only be installed outdoors with UV- and humidity protection and in observation of the max. permitted temperature range. The steel wire armouring serves as mechanical protection.

## Design

|                          |   |
|--------------------------|---|
| Conductor                | 1.5 mm <sup>2</sup> (48 x 0.20 mm)<br>RCB/SCB alloying, accuracy class 2 acc. to DIN 43722<br>Positive conductor: Cu (copper)<br>Negative conductor: CuNi (cupronickel) |
| Insulation               | Silicone compound   |
| Core identification code | Positive conductor: red<br>Negative conductor: white  |
| Cable assembly           | Cores twisted together  |
| Outer sheath             | Silicone compound<br>Colour: white  |
| Armouring                | Galvanized steel wire braiding with interweaved white identification thread   |

## Electrical properties at 20 °C

|                            |   |
|----------------------------|---|
| Limiting deviation class 2 | ±60 µV (±5.0 °C) / measuring point temperature +1000 °C |
|----------------------------|---|

## Mechanical and thermal properties

|                        |  |
|------------------------|--|
| Minimum bending radius | occasional flexing: 15 x outer diameter                  |
| Temperature range      | occasional flexing: -25 °C up to +180 °C                 |
| Flammability           | flame retardant acc. to IEC 60332-1-2 resp. EN 60332-1-2 |

AbN  
automation

|   |                                      |             |
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| Creator: ALTE/PDC<br>Released: LABU/PDC | Document: DB0153023EN<br>Version: 03 | Page 1 of 1 |
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