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| 0162003 | DATA SHEET |  |
| Valid from: 01.04.2019 | IEC compensating cable KN 1 L-SIL 2x1,5 | |

Application

The compensating cable KN 1 L-SIL 2 x 1,5 mm² are silicone insulated cores which transmit the thermoelectric voltage of NiCr/Ni thermocouples. They are for fixed installation in dry and damp rooms and may only be installed outdoors with mechanical and UV protection and in observation of the max. permitted temperature range.

Design

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| Conductor | 1.5 mm ² (48 x 0.20 mm) | |
| Conductor material | KCA alloying, accuracy class 2 according IEC 60584 | |
| | Positive conductor: | Fe (iron) |
| | Negative conductor: | CuNi (cupronickel) |
| Core insulation | Silicone compound | |
| Core identification | Positive conductor: | green |
| | Negative conductor: | white |
| Core layering | Cores twisted together | |
| Outer sheath | No outer sheath | |

Electrical properties

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| Limiting deviation 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: | -25 °C up to +180 °C |
| Minimum bending radius | occasional flexing: | 12 x cable diameter |

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