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| DATA SHEET | 0162001 |
| IEC compensating cable KN 1 L 2x1,5 | valid from : 01.12.2008 |

Application

The compensating cable KN 1 L 2 x 1,5 mm² are PVC 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 | PVC compound |
| Core identification | Positive conductor: green Negative conductor: white |
| Core layering | Cores twisted together |
| Outer sheath | No outer sheath |

Electrical properties

Limiting deviation class 2 ± 100 µV (± 2,5 °C) / m measuring point temperature +900 °C

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 cable diameter |

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