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| DATA SHEET | 0162022 |
| IEC compensating cable KN 15 L-SIL 2x1,5 round | valid from : 01.12.2008 |

Application

The compensating cable KN 15 L-SIL 2 x 1,5 mm² is a silicone insulated cable which transmits the thermoelectric voltage of NiCr/Ni thermocouples. It is for flexible use and fixed installation in dry and damp rooms without mechanical load. They may only be installed outdoors with 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 | Silicone compound, colour: green |

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: -25 °C up to +180 °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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| Originator: Frank Hörtnagl / PD-KL Approved: Werner Körner / TE | Document: DB0162022EN | page 1 of 1 |
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