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| 0162030 | DATA SHEET |  |
| Valid from: 01.04.2019 | IEC compensating cable KN 41 L-SIL 2x0,5 oval | |

Application

The compensating cable KN 41 L-SIL 2 x 0,5 mm² is a silicone insulated cable which transmits the thermo-electric voltage of NiCr/Ni 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 armoring serves as mechanical protection.

Design

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| Conductor | 0.5 mm ² (16 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 parallel next to each other | |
| Outer sheath | Silicone compound, colour: | green |
| Armouring | Galvanized steel wire braiding with interweaved, green identification thread | |

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: | 15 x cable diameter |
| Flammability | flame retardant in acc. to IEC 60332-1-2 resp. VDE 0482-332-1-2 | |

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