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| 0152052 | DATA SHEET |  |
| Valid from: 01.04.2019 | DIN compensating cable KN 5-022 L-CY 2x0,22 | |

Application

The compensating cable KN 5-022 L-CY 2 x 0,22 mm² is a PVC insulated cable which transmits the thermo-electric voltage of NiCr/Ni thermocouples. It is for flexible use and fixed installation in dry and damp rooms. They may only be installed outdoors with UV protection and in observation of the max. permitted temperature range. The copper braiding screens the cable against electromagnetic interference.

Design

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| Conductor | 0.22 mm ² (7 x 0.20 mm) |
| Conductor material | KCA alloying, accuracy class 2 according DIN 43722 Positive conductor: Fe (iron) Negative conductor: CuNi (cupronickel) |
| Core insulation | PVC compound |
| Core identification | Positive conductor: red Negative conductor: green |
| Core layering | Cores twisted together |
| Inner sheath | PVC compound, colour: green |
| Screening | tinned copper braiding |
| Outer sheath | PVC compound, colour: green |

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: -5 °C up to +70 °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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| Creator: TOME/PCM Released: ALTE/PDC | Document: DB0152052EN Version: 02 | Page 1 of 1 |
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