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| 0151052 | DATA SHEET |  LAPP |
| Valid from: 03.01.2019 | DIN extension cable KE 5-022 L-CY 2x0,22 | |

Application

The extension cable KE 5-022 L-CY 2 x 0,22 mm² is a PVC insulated cable which transmits the thermoelectric voltage of Fe/CuNi 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 electromagnetical interference.

Design

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| Conductor | 0.22 mm ² (7 x 0.20 mm) | |
| Conductor material | LX 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: | blue |
| Core layering | Cores twisted together | |
| Inner sheath | PVC compound, colour: blue | |
| Screening | tinned copper braiding | |
| Outer sheath | PVC compound, colour: blue | |

Electrical properties

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| Limiting deviation class 2 | ±140 µV (±2.5 °C) / measuring point temperature +500 °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 | |

AbN
automation

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| Released: ALTE/PDC | Version: 02 | |