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| DATA SHEET | 0151022 |
| DIN extension cable KE 15 L-SIL 2x1,5 round | valid from : 01.12.2008 |

Application

The extension cable KE 15 L-SIL 2 x 1,5 mm² is a silicone insulated cable which transmits the thermoelectric voltage of Fe/CuNi 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 | LX alloying, accuracy class 2 according DIN 43722 Positive conductor: Fe (iron) Negative conductor: CuNi (cupronickel) |
| Core insulation | Silicone compound |
| Core identification | Positive conductor: red Negative conductor: blue |
| Core layering | Cores twisted together |
| Outer sheath | Silicone compound, colour: blue |

Electrical properties

Limiting deviation class 2 ± 140 µV (± 2,5 °C) / m measuring point temperature +500 °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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