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| 0151007 | DATA SHEET |  |
| Valid from: 03.01.2019 | DIN extension cable KE 4 L-SIL-S 2x1,5 oval | |

Application

The extension cable KE 4 L-SIL-S 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 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 armouring serves as mechanical protection.

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 parallel next to each other |
| Outer sheath | Silicone compound, colour: blue |
| Armouring | Galvanized steel wire braiding with interweaved blue identification thread |

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: -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 |

AbN
automation

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