

0153023	<b>DATA SHEET</b>	 <b>LAPP</b>
Valid from: 2025-01-23	<b>DIN compensating cable KP 15 L-SIL-S 2x1,5 round</b>	

## Application

The compensating cable KN 15 L-SIL-S 2x1.5 mm<sup>2</sup> is a silicone insulated cable which transmits the thermoelectric voltage of PtRh/Pt 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

Conductor	1.5 mm <sup>2</sup> (48 x 0.20 mm) RCB/SCB alloying, accuracy class 2 acc. to DIN 43722 Positive conductor: Cu (copper) Negative conductor: CuNi (cupronickel)
Insulation	Silicone compound
Core identification code	Positive conductor: red Negative conductor: white
Cable assembly	Cores twisted together
Outer sheath	Silicone compound Colour: white
Armouring	Galvanized steel wire braiding with interwoven white identification thread

### Electrical properties at 20 °C

Limiting deviation class 2  $\pm 60 \mu\text{V}$  ( $\pm 5.0^\circ\text{C}$ ) / measuring point temperature  $+1000^\circ\text{C}$

## Mechanical and thermal properties

Minimum bending radius	occasional flexing: 15 x outer diameter
Temperature range	occasional flexing: -25 °C up to +180 °C
Flammability	flame retardant acc. to IEC 60332-1-2 resp. EN 60332-1-2

# AbN automation

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