

0152023	<b>DATA SHEET</b>	 <b>LAPP</b>
Valid from: 01.04.2019	<b>DIN compensating cable KN 15 L-SIL-S 2x1,5 round</b>	

## Application

The compensating cable KN 15 L-SIL-S 2 x 1,5 mm<sup>2</sup> is a silicone insulated cable which transmits the thermoelectric voltage of NiCr/Ni 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)	
Conductor material	KCA 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:	green
Core layering	Cores twisted together	
Outer sheath	Silicone compound, colour:	green
Armouring	Galvanized steel wire braiding with interwoven green identification thread	

## Electrical properties

Limiting deviation class 2	±100 µV (±2.5 °C) / measuring point temperature +900 °C
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## Mechanical and thermal properties

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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