


0152003	<b>DATA SHEET</b>	
Valid from: 03.01.2019	<b>DIN compensating cable KN 1 L-SIL 2x1,5</b>	

## Application

The compensating cable KN 1 L-SIL 2 x 1,5 mm<sup>2</sup> are silicone insulated cores which transmit the thermoelectric voltage of NiCr/Ni thermocouples. They are for fixed installation in dry and damp rooms and may only be installed outdoors with mechanical and UV protection and in observation of the max. permitted temperature range.

## 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	No outer sheath	

## Electrical properties

Limiting deviation class 2	±100 µV (±2.5 °C) / measuring point temperature +900 °C
----------------------------	---

## Mechanical and thermal properties

Temperature range	occasional flexing:	-25 °C up to +180 °C
Minimum bending radius	occasional flexing:	12 x cable diameter

AbN  
automation

Creator: TOME/PCM Released: ALTE/PDC	Document: DB0152003EN Version: 02	Page 1 of 1
---	--------------------------------------	-------------

We reserve all rights according to DIN ISO 16016.

PD 0019/05\_04.18EN