

0162011	<b>DATA SHEET</b>	 <b>LAPP</b>
Valid from: 01.04.2019	<b>IEC compensating cable KN 9 L-S 2x1,5</b>	

## Application

The compensating cable KN 9 L-S 2 x 1,5 mm<sup>2</sup> is a PVC insulated cable which transmits the thermoelectric voltage of NiCr/Ni thermocouples. It is for flexible use and fixed installation in dry rooms with medium 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 IEC 60584	
	Positive conductor:	Fe (iron)
	Negative conductor:	CuNi (cupronickel)
Core insulation	PVC compound	
Core identification	Positive conductor:	green
	Negative conductor:	white
Core layering	Cores twisted together	
Outer sheath	PVC 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:	-5 °C up to +70 °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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