

0162040	<b>DATA SHEET</b>	 <b>LAPP</b>
Valid from: 01.04.2019	<b>IEC compensating cable KN 91 L 2x0,5</b>	

## Application

The compensating cable KN 91 L 2 x 0,5 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 and damp rooms. They may only be installed outdoors with UV protection and in observation of the max. permitted temperature range.

## Design

Conductor	0.5 mm <sup>2</sup> (16 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

## 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:	12 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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