



<b>DATA SHEET</b>	0161003
<b>IEC extension cable KE 1 L-SIL 2x1,5</b>	valid from : 01.12.2008

## Application

The extension cable KE 1 L-SIL 2 x 1,5 mm<sup>2</sup> are silicone insulated cores which transmit the thermoelectric voltage of Fe/CuNi 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	JX alloying, accuracy class 2 according IEC 60584 Positive conductor: Fe (iron) Negative conductor: CuNi (cupronickel)
Core insulation	Silicone compound
Core identification	Positive conductor: black Negative conductor: white
Core layering	Cores twisted together
Outer sheath	No outer sheath

## Electrical properties

Limiting deviation class 2	$\pm 140 \mu V (\pm 2,5 \text{ }^{\circ}C) / m$ measuring point temperature +500 °C
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## 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

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