



<b>DATA SHEET</b>	0161030
<b>IEC extension cable KE 91 L 2x0,5</b>	valid from : 01.12.2008

## Application

The extension cable KE 91 L 2 x 0,5 mm<sup>2</sup> is a PVC insulated cable which transmits the thermoelectric voltage of Fe/CuNi 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	JX alloying, accuracy class 2 according IEC 60584 Positive conductor: Fe (iron) Negative conductor: CuNi (cupronickel)
Core insulation	PVC compound
Core identification	Positive conductor: black Negative conductor: white
Core layering	Cores twisted together
Outer sheath	PVC compound, colour: black

## Electrical properties

Limiting deviation class 2      ± 140 µV (± 2,5 °C) / m measuring point temperature +500 °C

## 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

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