



<b>DATA SHEET</b>	0151017
<b>DIN extension cable KE 12 L 2x1,5 oval</b>	valid from : 01.12.2008

## Application

The extension cable KE 12 L 2 x 1,5 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	1,5 mm <sup>2</sup> (48 x 0,20 mm)
Conductor material	LX alloying, accuracy class 2 according DIN 43722 Positive conductor: Fe (iron) Negative conductor: CuNi (cupronickel)
Core insulation	PVC compound
Core identification	Positive conductor: red Negative conductor: blue
Core layering	Cores parallel next to each other
Outer sheath	PVC compound, colour: blue

## Electrical properties

Limiting deviation class 2       $\pm 140 \mu\text{V} (\pm 2,5 \text{ }^\circ\text{C}) / \text{m}$  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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