


0151030	<b>DATA SHEET</b>	
Valid from: 03.01.2019	<b>DIN extension cable KE 91 L 2x0,5</b>	

## 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	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 twisted together	
Outer sheath	PVC compound, colour:	blue

## Electrical properties

Limiting deviation class 2                    ±140 µV (±2.5 °C) / 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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