


0151006	<b>DATA SHEET</b>	
Valid from: 03.01.2019	<b>DIN extension cable KE 4 L-S 2x1,5 oval</b>	

## Application

The extension cable KE 4 L-S 2 x 1,5 mm<sup>2</sup> is a glass fibre insulated cable which transmits the thermoelectric voltage of Fe/CuNi thermocouples. It is for fixed installation in dry rooms and may only be installed outdoors with UV- and humidity protection and in observation of the max. permitted temperature range. The steel wire armouring serves as mechanical protection.

## 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	Glass fibre covering
Core identification	Positive conductor: red marked
	Negative conductor: blue marked
Core layering	Cores parallel next to each other
Outer sheath	Glass fibre braiding with interweaved blue identification thread
Armouring	Galvanized steel wire braiding with interweaved blue identification thread

## Electrical properties

Limiting deviation class 2	±140 µV (±2.5 °C) / measuring point temperature +500 °C
----------------------------	---

## Mechanical and thermal properties

Temperature range	occasional flexing: -25 °C up to +200 °C
Minimum bending radius	occasional flexing: 15 x cable diameter
Flammability	flame retardant in acc. to IEC 60332-1-2 resp. VDE 0482-332-1-2

AbN  
automation

Creator: TOME/PCM Released: ALTE/PDC	Document: DB0151006EN Version: 02	Page 1 of 1
---	--------------------------------------	-------------