



<b>DATA SHEET</b>	0162030
<b>IEC compensating cable KN 41 L-SIL 2x0,5 oval</b>	valid from : 01.12.2008

## Application

The compensating cable KN 41 L-SIL 2 x 0,5 mm<sup>2</sup> is a silicone insulated cable which transmits the thermo-electric voltage of NiCr/Ni thermocouples. It is for flexible use and fixed installation in dry rooms with low mechanical load. They 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	0,5 mm <sup>2</sup> (16 x 0,20 mm)
Conductor material	KCA alloying, accuracy class 2 according IEC 60584 Positive conductor: Fe (iron) Negative conductor: CuNi (cupronickel)
Core insulation	Silicone compound
Core identification	Positive conductor: green Negative conductor: white
Core layering	Cores parallel next to each other
Outer sheath	Silicone compound, colour: green
Armouring	Galvanized steel wire braiding with interweaved green identification thread

## Electrical properties

Limiting deviation class 2	± 100 µV (± 2,5 °C) / m measuring point temperature +900 °C
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## Mechanical and thermal properties

Temperature range	occasional flexing: -25 °C up to +180 °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