



DATA SHEET	0152003
DIN compensating cable KN 1 L-SIL 2x1,5	valid from : 01.12.2008

Application

The compensating cable KN 1 L-SIL 2 x 1,5 mm² are silicone insulated cores which transmit the thermoelectric voltage of NiCr/Ni thermocouples. They are for fixed installation in dry and damp rooms and may only be installed outdoors with mechanical and UV protection and in observation of the max. permitted temperature range.

Design

Conductor	1,5 mm ² (48 x 0,20 mm)
Conductor material	KCA alloying, accuracy class 2 according DIN 43722 Positive conductor: Fe (iron) Negative conductor: CuNi (cupronickel)
Core insulation	Silicone compound
Core identification	Positive conductor: red Negative conductor: green
Core layering	Cores twisted together
Outer sheath	No outer sheath

Electrical properties

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

Mechanical and thermal properties

Temperature range	occasional flexing:	-25 °C up to +180 °C
Minimum bending radius	occasional flexing:	12 x cable diameter

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