

0152019	DATA SHEET	
Valid from: 01.04.2019	DIN compensating cable KN 13 L-SIL 2x1,5 oval	

Application

The compensating cable KN 13 L-SIL 2 x 1,5 mm² is a silicone and glass fibre insulated cable which transmits the thermoelectric voltage of NiCr/Ni thermocouples. It is for fixed installation in dry rooms. It may only be installed outdoors with UV and humidity 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 parallel next to each other
Outer sheath	Glass fibre braiding with interweaved green identification thread

Electrical properties

Limiting deviation class 2	±100 µV (±2.5 °C) / 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: 12 x cable diameter
Flammability	flame retardant in acc. to IEC 60332-1-2 resp. VDE 0482-332-1-2

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