



DATA SHEET	0162005
IEC compensating cable KN 3 L 2x1,5 oval	valid from : 01.12.2008

Application

The compensating cable KN 3 L 2 x 1,5 mm² is a glass fibre insulated cable which transmits the thermoelectric voltage of NiCr/Ni 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.

Design

Conductor	1,5 mm ² (48 x 0,20 mm)
Conductor material	KCA alloying, accuracy class 2 according IEC 60584 Positive conductor: Fe (iron) Negative conductor: CuNi (cupronickel)
Core insulation	Glass fibre covering
Core identification	Positive conductor: green marked Negative conductor: white marked
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) / m measuring point temperature +900 °C

Mechanical and thermal properties

Temperature range	occasional flexing: -25 °C up to +200 °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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