



DATA SHEET	0162011
IEC compensating cable KN 9 L-S 2x1,5	valid from : 01.12.2008

Application

The compensating cable KN 9 L-S 2 x 1,5 mm² is a PVC insulated cable which transmits the thermoelectric voltage of NiCr/Ni thermocouples. It is for flexible use and fixed installation in dry rooms with medium 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	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	PVC compound
Core identification	Positive conductor: green Negative conductor: white
Core layering	Cores twisted together
Outer sheath	PVC compound, colour: green
Armouring	Galvanized steel wire 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:	-5 °C up to +70 °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	