



DATA SHEET

0163015

IEC compensating cable KP 11 L-SIL-S 2x1,5

valid from :
01.12.2008

Application

The compensating cable KP 11 L-SIL-S 2 x 1,5 mm² is a silicone and glass fibre insulated cable which transmits the thermoelectric voltage of PtRh/Pt thermocouples. It is for flexible use and fixed installation in dry rooms with medium mechanical load. It 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	RCB/SCB alloying, accuracy class 2 according IEC 60584 Positive conductor: Cu (copper) Negative conductor: CuNi (cupronickel)
Core insulation	Silicone compound
Core identification	Positive conductor: orange Negative conductor: white
Core layering	Cores twisted together
Outer sheath	Glass fibre braiding with interweaved orange identification thread
Armouring	Galvanized steel wire braiding with interweaved orange identification thread

Electrical properties

Limiting deviation class 2	$\pm 60 \mu V (\pm 5,0 \text{ }^{\circ}C)$ / measuring point temperature +1000 °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