


0153023	DATA SHEET	
Valid from: 2025-01-23	DIN compensating cable KP 15 L-SIL-S 2x1,5 round	

Application

The compensating cable KN 15 L-SIL-S 2x1.5 mm² is a silicone insulated cable which transmits the thermoelectric voltage of PtRh/Pt thermocouples. It is for flexible use and fixed installation in dry rooms with low 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) RCB/SCB alloying, accuracy class 2 acc. to DIN 43722 Positive conductor: Cu (copper) Negative conductor: CuNi (cupronickel)
Insulation	Silicone compound
Core identification code	Positive conductor: red Negative conductor: white
Cable assembly	Cores twisted together
Outer sheath	Silicone compound Colour: white
Armouring	Galvanized steel wire braiding with interweaved white identification thread

Electrical properties at 20 °C

Limiting deviation class 2	±60 µV (±5.0 °C) / measuring point temperature +1000 °C
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Mechanical and thermal properties

Minimum bending radius	occasional flexing: 15 x outer diameter
Temperature range	occasional flexing: -25 °C up to +180 °C
Flammability	flame retardant acc. to IEC 60332-1-2 resp. EN 60332-1-2

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