DATA SHEET

Valid from: 01.04.2019

DIN compensating cable KN 15 L-SIL 2x1,5 round



Application

The compensating cable KN 15 L-SIL 2 x 1,5 mm² is a silicone insulated cable which transmits the thermoelectric voltage of NiCr/Ni thermocouples. It is for flexible use and fixed installation in dry and damp rooms without mechanical load. They may only be installed outdoors with UV protection and in observation of the max. permitted temperature range.

Design

Conductor 1.5 mm² (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 twisted together

Outer sheath Silicone compound, colour: green

Electrical properties

Limiting deviation class 2 ±100 µV (±2.5 °C) / measuring point temperature +900 °C

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