

0156001	DATA SHEET	
Valid from: 01.04.2019	DIN compensating cable KNL Y XX x 1,5	

Application

The compensating cables KNL Version Y XX x 1,5 mm² are multi-cored PVC insulated cables which transmit the thermoelectric voltage of NiCr/Ni thermocouples. They are for flexible use and fixed installation in dry and damp rooms with medium mechanical load. They may only be installed outdoors with UV 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 DIN 43722 Positive conductor: Fe (iron) Negative conductor: CuNi (cupronickel)
Core insulation	PVC compound
Core identification	Positive conductor: red Negative conductor: green
Core layering	Cores twisted together
Outer sheath	PVC compound, colour: green

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	fixed installed: -40 °C up to +80 °C occasional flexing: -5 °C up to +70 °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

Creator: TOME/PCM Released: ALTE/PDC	Document: DB0156001EN Version: 02	Page 1 of 1
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