



DATA SHEET	0157514
DIN extension cable KE 9 L-SY 2x1,5	valid from : 01.12.2008

Application

The extension cable KE 9 L-SY 2 x 1,5 mm² is a PVC insulated cable with steel wire armouring which transmits the thermoelectric voltage of Fe/CuNi thermocouples. It is 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. The steel wire armouring serves as mechanical protection.

Design

Conductor	1,5 mm ² (48 x 0,20 mm)
Conductor material	LX 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: blue
Core layering	Cores twisted together
Inner sheath	PVC compound, colour: blue
Armouring	Galvanized steel wire braiding
Outer sheath	PVC compound, colour: blue

Electrical properties

Limiting deviation class 2	$\pm 140 \mu\text{V} (\pm 2,5 \text{ }^{\circ}\text{C}) / \text{m}$ measuring point temperature +500 °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

AbN
automation

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