LAPP GROUP	**DATA SHEET**	015850X
	DIN extension cable KEL ST XX x 2 x 1,5	valid from : 01.12.2008

Application

The extension cables KEL Version ST XX x 2 x 1,5 mm² are twisted paired PVC insulated cables with aluminium foil screen which transmit the thermoelectric voltage of Fe/CuNi 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. The overlapping foil wrapping screens the cores against electromagnetical interference.

Design

Conductor	1,5 mm² (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
Screening	Aluminium cladded plastic foil with tinned copper drain wire (7x0,30 mm)
Outer sheath	PVC compound, colour: blue

Electrical properties

Limiting deviation class 2	± 140 µV (± 2,5 °C) / m easuring point temperature +500 °C

Mechanical and thermal properties

Temperature range	fixed installed: occasional flexing:	-40 °C upto + 80 °C -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	