


0163052	<b>DATA SHEET</b>	
Valid from: 01.04.2019	<b>IEC compensating cable KP 5-022 L-CY 2x0,22</b>	

## Application

The compensating cable KP 5-022 L-CY 2 x 0,22 mm<sup>2</sup> is a PVC insulated cable which transmits the thermo-electric voltage of PtRh/Pt thermocouples. It is for flexible use and fixed installation in dry and damp rooms. They may only be installed outdoors with UV protection and in observation of the max. permitted temperature range. The copper braiding screens the cable against electromagnetic interference.

## Design

Conductor	0.22 mm <sup>2</sup> (7 x 0.20 mm)	
Conductor material	RCB/SCB alloying, accuracy class 2 according IEC 60584	
	Positive conductor:	Cu (copper)
	Negative conductor:	CuNi (cupronickel)
Core insulation	PVC compound	
Core identification	Positive conductor:	orange
	Negative conductor:	white
Core layering	Cores twisted together	
Inner sheath	PVC compound, colour:	orange
Screening	tinned copper braiding	
Outer sheath	PVC compound, colour:	orange

## Electrical properties

Limiting deviation class 2	$\pm 60 \mu\text{V} (\pm 5.0 \text{ }^\circ\text{C}) / \text{measuring point temperature} + 1000 \text{ }^\circ\text{C}$
----------------------------	--

## 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	

Creator: TOME/PCM Released: ALTE/PDC	Document: DB0163052EN Version: 02	Page 1 of 1
---	--------------------------------------	-------------