


<b>7038861</b>	<b>DATA SHEET</b>	
<b>valid from: 06.02.2019</b>	<b>UNITRONIC® SENSOR LiFY11Y</b>	

## Application

UNITRONIC® SENSOR LiFY11Y are sensor/actuator cables.

## Design

Design	Design based on standard VDE 0812
Conductor	superfine wire strands of bare copper wires
Insulation	PVC
Core identification code	according to EN 60947-5-2 4-core: brown, white, blue, black 5-core: brown, white, blue, black, grey
Stranding	cores stranded to bundle, tinned
Outer sheath	PUR Colour: black (similar RAL 9005)

## Diameter of the outer sheath

Article number	Dimension	Outer sheath $\varnothing$
7038862	5x0.25 mm <sup>2</sup>	ca. 4.9 mm
7038861	4x0.34 mm <sup>2</sup>	ca. 4.8 mm

## Electrical properties at 20°C

Conductor resistance	0.25 mm <sup>2</sup> : max. 79 $\Omega$ /km 0.34 mm <sup>2</sup> : max. 57 $\Omega$ /km
Specific volume resistivity	> 20 G $\Omega$ x cm
Peak operating voltage	300 V (not for power applications)
Test voltage	C/C: 2000 V

## Mechanical and thermal properties

Minimum bending radius	Flexing: 10 x cable $\varnothing$ Fixed installation: 5 x cable $\varnothing$
Temperature range	Flexing: -5 °C up to +70 °C Fixed installation: - 40 °C up to +80 °C
Flammability	flame retardant acc. to IEC 60332-2-2
General requirements	This cable is conform to the EU-Directive 2011/65/EU (RoHS, Restriction of the use of certain hazardous substances).

Creator: PESA / PDC	Document: DB7038861EN	Page 1 of 1
Released: ALTE / PDC	Version: 04	