

7038861	DATA SHEET	
valid from: 06.02.2019	UNITRONIC® SENSOR LiFY11Y	

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 ²	ca. 4.9 mm
7038861	4x0.34 mm ²	ca. 4.8 mm

Electrical properties at 20°C

Conductor resistance	0.25 mm ² : max. 79 Ω /km 0.34 mm ² : max. 57 Ω /km
Specific volume resistivity	> 20 G Ω 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).

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