


7038898	DATA SHEET	
valid from: 06.02.2019	UNITRONIC® SENSOR LifYY	

Application

UNITRONIC® SENSOR LifYY is a sensor cable for medium mechanical stress. They are suitable for use in automated production in dry conditions. The cables are intended for fixed installation and conditional flexible use. The used materials can be processed very well and are easily removeable.

Design

Design	Design based on standard VDE 0812
Conductor	superfine wire strands of bare copper wires
Insulation	special PVC-based compound
Core identification code	according to EN 60947-5-2 3-core: brown, blue, black 4-core: brown, white, blue, black 5-core: brown, white, blue, black, grey
Stranding	cores stranded to bundle, talced
Outer sheath	special PVC-based compound Colour: black (similar RAL 9005)

Diameter of the outer sheath

Article number	Dimension	Outer sheath \varnothing
7038898	3x0.25 mm ²	ca. 3.8 mm
7038899	4x0.25 mm ²	ca. 4.2 mm
7038900	3x0.34 mm ²	ca. 4.1 mm
7038901	4x0.34 mm ²	ca. 4.4 mm
7038902	5x0.34 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 60332-1-2
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: DB7038898EN	Page 1 of 1
Released: ALTE / PDC	Version: 04	