


| | | |
|-----------------------------------|--------------------------------|---|
| 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 | |