

## SENSOR LifYY



## Application

SENSOR LifYY This cable will be used as signal, connecting and control cable, predominantly for transmission of data in measurement and control technology. Suitable for use in dry and humid rooms. For fixed laying and flexible applications with undefined cable routing and without tensile stress.

## Design Features

|                          |   |
|--------------------------|---|
| Design                   | Design based on standard VDE 0295   |
| Conductor                | Fine wire strands of bare copper class 5  |
| Insulation               | PVC-based compound  |
| Core identification code | According to EN 60947-5-2<br>3-core: brown, blue, black<br>4-core: brown, white, blue, black<br>5-core: brown, white, blue, black, grey |
| Stranding                | Cores twisted in layers   |
| Outer sheath             | PVC-based compound<br>Colour: black (similar RAL 9005)  |

## Diameter of the outer sheath

| Article number | Dimension              | Outer sheath $\varnothing$ |
|----------------|------------------------|----------------------------|
| 7038898        | 3x0.25 mm <sup>2</sup> | ca. 3.8 mm                 |
| 7038899        | 4x0.25 mm <sup>2</sup> | ca. 4.2 mm                 |
| 7038900        | 3x0.34 mm <sup>2</sup> | ca. 4.1 mm                 |
| 7038901        | 4x0.34 mm <sup>2</sup> | ca. 4.4 mm                 |
| 7038902        | 5x0.34 mm <sup>2</sup> | ca. 4.8 mm                 |

## Electrical properties at 20°C

|                             |  |
|-----------------------------|--|
| Conductor resistance        | 0.25 mm <sup>2</sup> : max. 79 Ω/km<br>0.34 mm <sup>2</sup> : 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 Ø<br>Fixed installation: 5 x cable Ø   |
| Temperature range      | Flexing: - 5°C up to +70°C<br>Fixed installation: - 30°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). |