

## UNITRONIC® SENSOR

Flexible cable for sensor/actuator cabling

Cables for sensor/actuator cabling to connect to M8, M12 connectors.

### Info

Easy cable preparation  
UL recognized (LifYY A)



Supplementary automation components from Lapp



Space requirement



UV-resistant

### Benefits

Easy installation (through cable trays, tubes, cabinets)  
Easy stripping and processing  
Space-saving due to compact dimensions.

### Application range

Automation technology  
Sensor/ actuator cabling

### Product features

Core colour code in accordance with DIN EN 50044  
Black version: UV-resistant  
For higher mechanical stress (LifY11Y/Desina)

### Norm references / Approvals

Last Update (08.03.2022)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02\_03.16

## UNITRONIC® SENSOR

UL recognized (LifYY A)

### Product Make-up

Extra-fine wire strand made of bare copper wires  
Core insulation: PVC  
Colour-code:  
3-pin: bn, bu, bk  
4-pin: bn, wh, bu, bk  
5-pin: bn, wh, bu, bk, gy  
DESINA 4x0,34: bn, wh, bu, bk  
Outer sheath: PVC or PUR  
Sheath colour: black (RAL 9005)  
DESINA yellow (RAL 1021)

### Technical Data

|                         |   |
|-------------------------|---|
| Classification ETIM 5:  | ETIM 5.0 Class-ID: EC001578<br>ETIM 5.0 Class-Description: Flexible cable   |
| Classification ETIM 6:  | ETIM 6.0 Class-ID: EC001578<br>ETIM 6.0 Class-Description: Flexible cable   |
| Peak operating voltage: | 300 V (not for power applications)  |
| Conductor stranding:    | Extra-fine wire acc. to VDE 0295, class 6/ IEC 60228 class 6  |
| Minimum bending radius: | Flexing: 15 x outer diameter<br>Fixed installation: 8 x outer diameter  |
| Temperature range:      | PVC/PVC:<br>Fixed installation: -40 °C to +80 °C<br>Flexing: -5 °C to +80 °C<br>PVC/PUR:<br>Fixed installation: -30 °C to +80 °C<br>Flexing: -10 °C to +80 °C |

### Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

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| Article number            | Article designation | Dimensions (mm <sup>2</sup> ) | Outer diameter [mm] | Core/outer sheath material | Colour | UL  | Copper index [kg/km] |
|---------------------------|---------------------|-------------------------------|---------------------|----------------------------|--------|-----|----------------------|
| UNITRONIC® SENSOR PVC     |                     |                               |                     |                            |        |     |                      |
| 7038898                   | LifYY               | 3x0.25                        | 3.8                 | PVC/PVC                    | black  | -   | 7.5                  |
| 7038899                   | LifYY               | 4x0.25                        | 4.2                 | PVC/PVC                    | black  | -   | 10.2                 |
| 7038900                   | LifYY               | 3 x 0.34                      | 4.1                 | PVC/PVC                    | black  | -   | 9.8                  |
| 7038901                   | LifYY               | 4 x 0.34                      | 4.4                 | PVC/PVC                    | black  | -   | 13                   |
| 7038902                   | LifYY               | 5 x 0.34                      | 4.8                 | PVC/PVC                    | black  | -   | 16                   |
| UNITRONIC® SENSOR PVC UL  |                     |                               |                     |                            |        |     |                      |
| 7038903                   | LifYY A             | 3x0.25                        | 4.3                 | PVC/PVC                    | black  | yes | 7.5                  |
| 7038904                   | LifYY A             | 4x0.25                        | 4.6                 | PVC/PVC                    | black  | yes | 10.2                 |
| 7038905                   | LifYY A             | 3 x 0.34                      | 4.4                 | PVC/PVC                    | black  | yes | 9.8                  |
| 7038906                   | LifYY A             | 4 x 0.34                      | 4.8                 | PVC/PVC                    | black  | yes | 13                   |
| 7038907                   | LifYY A             | 5 x 0.34                      | 5.2                 | PVC/PVC                    | black  | yes | 16                   |
| UNITRONIC® SENSOR PVC/PUR |                     |                               |                     |                            |        |     |                      |
| 7038861                   | LifY11Y             | 4 x 0.34                      | 4.8                 | PVC/PUR                    | black  | -   | 13.1                 |
| 7038862                   | LifY11Y             | 5 x 0.25                      | 4.9                 | PVC/PUR                    | black  | -   | 12                   |
| 0040434                   | DESINA              | 4 x 0.34                      | 5.2                 | PVC/PUR                    | yellow | -   | 13.5                 |

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