

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 (21.12.2023)

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Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

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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 ETIM 5.0 Class-Description: Flexible cable |
| Classification ETIM 6: | ETIM 6.0 Class-ID: EC001578 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 Fixed installation: 8 x outer diameter |
| Temperature range: | PVC/PVC: Fixed installation: -40 °C to +80 °C Flexing: -5 °C to +80 °C PVC/PUR: Fixed installation: -30 °C to +80 °C 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

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 ²) | 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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