


RoHS

## Application range

Cables for UNITRONIC® field bussensor/actuator wiring
Unshielded and shielded data transmission cables to connect to M8, M12 connectors
Automation technology
Mechanical engineering
Plant engineering

## Design

UNITRONIC® SENSOR LifYY Conductor: extra-fine bare copper strand in accordance with DIN VDE 0295 Class 6; core insulation: PVC, outer sheath: PVC
UNITRONIC® SENSOR DESINA® LifY11Y Stranded bare copper conductor, super-fine. In accordance with VDE 0295 Class 6, special PVC insulation, cores twisted in layers, core identification in accordance with DESINA® (brown, white, blue, black). Outer sheath is made of special polyurethane-based compound; yellow colour in acc. to RAL 1021; flame retardant acc. to IEC 60332-1-2. Operating voltage= 48 V, Peak working voltage= 300 V.
UNITRONIC® SENSOR FD Li9Y11Y and SENSOR FD Li9YC11Y AWM UL Style 20549, 80 °C/300 V. Conductor: Cu strand, bare, extra-fine wire according to DIN VDE 0295 Class 6, core insulation: modified polypropylene (PP), outer sheath: halogen-free polyurethane (PUR), matt, adhesion-free
UNITRONIC® SENSOR FD series cables are specially designed for use in power chains

## Product features

Core colour code in accordance with DIN EN 50044
3 x 0.25 mm² or 0.34mm²1= brown, 2= blue, 3= black
4x 0.25 mm² or 0.34 mm2 1= brown, 2= white, 3= blue, 4= black
5 x 0.25 mm2 or 0.34 mm2 1= brown, 2= white, 3= blue, 4= black, 5= grey
8x 0.25mm21= white, 2=brown, 3= green, 4= yellow, 5= grey, 6= pink, 7=blue, 8= red

## Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. 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
Cables are printed
Other types of composition are available upon request.
Photographs are not to scale and do not represent detailed images of the respective products.



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| Part number | Article designation | Dimensions (mm²) | Outer diameter (mm) | Core/outer sheath material | Colour | Copper index (kg/km) |
|---|---|---|---|---|---|---|
| | | | | | | |
| UNITRONIC® SENSOR | | | | | | |
| 7038859 | S-LifYY | 3 x 0.34 | 4.8 | PVC/PVC | black | 9.8 |
| 7038860 | S-LifYY | 4 x 0.34 | 4.8 | PVC/PVC | black | 13.1 |
| 0040434 | DESINA | 4 x 0.34 | 5.2 | PVC/PUR | yellow (RAL 1021) | 13.5 |
| 7038861 | S-LifY11Y | 4 x 0.34 | 4.8 | PVC/PUR | black | 13.1 |
| 7038862 | S-LifY11Y | 5 x 0.25 | 4.9 | PVC/PUR | black | 12.0 |
| UNITRONIC SENSOR FD | | | | | | |
| 7038883 | Li9Y11Y | 3x0.25 | 4.4 | PP/PUR | black | 7.5 |
| | | | | | | |
| 7038864 | Li9Y11Y | 3 x 0.34 | 4.6 | PP/PUR | black | 9.8 |
| 7038884 | Li9Y11Y | 4x0.25 | 4.7 | PP/PUR | black | 10.2 |
| 7038865 | Li9Y11Y | 4 x 0.34 | 4.7 | PP/PUR | black | 13.0 |
| 7038867 | Li9Y11Y | 5 x 0.25 | 4.7 | PP/PUR | black | 12.0 |
| 7038866 | Li9Y11Y | 5 x 0.34 | 5.1 | PP/PUR | black | 16.0 |
| 7038868 | Li9Y11Y | 8 x 0.25 | 5.9 | PP/PUR | black | 19.0 |
| | | | | | | |
| UNITRONIC® SENSOR FD screened | | | | | | |
| 7038885 | Li9YC11Y | 3 x 0.34 | 4.6 | PP/PUR | black | 19.1 |
| 7038886 | Li9YC11Y | 4 x 0.34 | 4.7 | PP/PUR | black | 23.5 |
| 7038887 | Li9YC11Y | 5 x 0.34 | 5.1 | PP/PUR | black | 27.5 |



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