

UNITRONIC® SENSOR FD

High flexible cable for sensor/actuator cabling for use in drag chains, halogen-free

Cables for sensor/actuator cabling in rough environments. For use in drag chains, halogenfree, to connect to M8, M12 connectors.

Info

For increased mechanical stress and harsh operating conditions



Supplementary automation components from Lapp



Mechanical and plant engineering



Flame-retardant



Halogen-free



Mechanical resistance



Power chain



UV-resistant

Benefits

Designs for highly flexible use

Abrasion-resistant

Wear-resistant

Space-saving due to compact dimensions

Last Update (05.05.2021)

©2021 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

UNITRONIC® SENSOR FD

Application range

Automation technology
Sensor/ actuator cabling
Mechanical and plant engineering
Assembly and production lines

Product features

UV-resistant
Halogen-free according to VDE 0472-815
flame-retardant according to IEC 60332-2-2, UL 1581 FT-2
Suitable for drag chains
Designed for 4 million alternating bending cycles and travel distances up to 10 m

Norm references / Approvals

UL AWM Style 20549

Product Make-up

Extra-fine wire strand made of bare copper wires
Core insulation: PP
Colour-code:
3-pin: bn, bu, bk
4-pin: bn, wh, bu, bk
5-pin: bn, wh, bu, bk, gy
8-pin: bn, wh, gn, ye, gy, pk, bu, rd
Outer sheath: PUR, black

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: | Fixed installation: 5 x outer diameter Flexing: 10 x outer diameter |
| Temperature range: | Occasional flexing: -25°C to +80°C Fixed installation: -40°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

Other types of composition are available upon request.

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.

UNITRONIC® SENSOR FD

| Article number | Article designation | Dimensions (mm ²) | Outer diameter [mm] | Core/outer sheath material | Colour | Copper index [kg/km] |
|----------------------------------|---------------------|-------------------------------|---------------------|----------------------------|--------|----------------------|
| UNITRONIC® SENSOR FD | | | | | | |
| 7038867 | Lif9Y11Y | 5 x 0.25 | 4.7 | PP/PUR | black | 12 |
| 7038868 | Lif9Y11Y | 8 x 0.25 | 5.9 | PP/PUR | black | 19 |
| 7038864 | Lif9Y11Y | 3 x 0.34 | 4.6 | PP/PUR | black | 9.8 |
| 7038865 | Lif9Y11Y | 4 x 0.34 | 4.7 | PP/PUR | black | 13 |
| UNITRONIC® SENSOR FD - optimized | | | | | | |
| 7038889 | Lif9Y11Y | 3x0.25 | 3.6 | PP/PUR | black | 7.5 |
| 7038890 | Lif9Y11Y | 4x0.25 | 3.8 | PP/PUR | black | 10.2 |
| 7038893 | Lif9Y11Y | 5 x 0.34 | 4.5 | PP/PUR | black | 16 |
| UNITRONIC® SENSOR FD screened | | | | | | |
| 7038885 | Lif9YC11Y | 3 x 0.34 | 4.3 | PP/PUR | black | 19.1 |
| 7038886 | Lif9YC11Y | 4 x 0.34 | 4.6 | PP/PUR | black | 23.5 |
| 7038887 | Lif9YC11Y | 5 x 0.34 | 5 | PP/PUR | black | 27.5 |

Last Update (05.05.2021)

©2021 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

 You can find the current technical data in the corresponding data sheet.
 PN 0456 / 02_03_16