

## UNITRONIC® ROBUST S/A FD

High flexible, halogen-free sensor/actuator cable - resistant to a wide range of chemical media

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

### Info

Good chemical resistance please see Appendix T1

Excellent weather resistance

Flexible at low temperatures



Supplementary automation components from Lapp



Food & Beverage



Suitable for outdoor use



Good chemical resistance



Halogen-free



Cold-resistant



Power chain



Torsion-resistant



UV-resistant

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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® ROBUST S/A FD

### Benefits

Outstanding weather, ozone and UV resistance together with the wide temperature range enable versatile use for indoor and outdoor applications

Resistant against organic oils, emulsions, greases and waxes based on organic, animal or synthetic

Good resistance to cold and hot water as well as water-soluble cleaning and cooling agents

Well-suited to steam cleaning

Good resistance to ammonia compounds and bio-gases

### Application range

Automation technology

Machine tool building, medical technology, laundries, car washing equipment, chemical industry, composting plants, sewage works

Food and beverage industry, especially for production and processing equipment of milk and meat products

### Product features

Good chemical resistance to ester-based hydraulic fluids

Ozone, UV and weather-resistant according to EN 50396 and HD 605 S2

Suitable for drag chains

Torsion-resistant

Halogen-free

### Norm references / Approvals

Certified resistance to disinfection and cleaning solutions used in food and beverage industry

ECOLAB®

Industry standard in the field of professional cleaning and disinfection in the food and beverage industry

### Product Make-up

Extra-fine wire strand made of bare copper

Core insulation: PE

Colour-code:

3-pin: bn, bu, bk

4-pin: bn, wh, bu, bk

5-pin: bn, wh, bu, bk, gy

Outer sheath made of special TPE

Color of the outer jacket: 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

Core identification code:

acc. to EN 60947-5-2

Conductor stranding:

Extra-fine wire according to VDE 0295, class 6/IEC 60228 class 6

Minimum bending radius:

Flexing: 5 x outer diameter

Fixed installation: 3 x outer diameter

Temperature range:

Flexing: -40 °C to +90 °C

Fixed installation: -50 °C to +90 °C

### Note

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## **UNITRONIC® ROBUST S/A FD**

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)

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® ROBUST S/A FD**

Article number	Article designation	Dimensions (mm <sup>2</sup> )	Outer diameter [mm]	Colour	Outer sheath colour	Copper index [kg/km]
7038897	UNITRONIC ROBUST S/A FD 4X0,25	4x0.25	4.9	black	black	10.2
7038895	UNITRONIC ROBUST S/A FD 3X0,34	3 x 0.34	5	black	black	9.8
7038894	UNITRONIC ROBUST S/A FD 4X0,34	4 x 0.34	5.4	black	black	13.1
7038896	UNITRONIC ROBUST S/A FD 5X0,34	5 x 0.34	5.9	black	black	16

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