



## UNITRONIC® ROBUST S/A FD

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



**Info**

- Good chemical resistance
- Excellent weather resistance
- Flexible at low temperatures

### 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 5/6**  
ETIM 5.0/6.0 Class-ID: EC001578  
ETIM 5.0/6.0 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

Article number	Dimensions (mm <sup>2</sup> )	Outer diameter [mm]	Colour	Copper index [kg/km]
<b>UNITRONIC® ROBUST S/A FD</b>				
7038897	4x0.25	4.9	black	
7038895	3 x 0.34	5	black	
7038894	4 x 0.34	5.4	black	13.1
7038896	5 x 0.34	5.9	black	

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.

### Accessories

- EPIC® SENSOR M12 refer to page 398
- EPIC® SENSOR M12 V4A refer to page 399
- EPIC® SENSOR M8 refer to page 391
- STAR STRIP stripping tool refer to page 985

ÖLFLEX®  
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SKINTOP®  
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FLEXIMARK®  
ACCESSORIES  
APPENDIX