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 drah 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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You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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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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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.

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Article number	Article designation	Dimensions (mm^2)	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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