UNITRONIC® ROBUST

Halogen-free data transmission cable with colour code acc. to DIN 47100 - resistant to a wide range of chemical media

UNITRONIC® ROBUST: Low-frequency data cable, Resistant to biopetroleums/ cleaners/ hot water/ hydraulic fluids, -40°C/+90°C, Outdoor, Food &amp
Beverage, Composting

Info
Excellent weather resistance
Good chemical resistance

ECOLAB

UV-resistant

Halogen-free

Good chemical resistance

Food & Beverage

Suitable for outdoor use

Cold-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 to contact with organic oils and the related emulsions as well as a multitude of plant, animal or synthetic-based greases and waxes
Good resistance to ammonia compounds and bio-gases
Good resistance to cold and hot water as well as water-soluble cleaning and cooling agents
Well-suited to steam cleaning

Application range
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
For data processing, measurement and control engineering, safety related systems and as electronics cable
For indoor and outdoor use

Product features
Good chemical resistance to ester-based hydraulic fluids
Ozone, UV and weather-resistant according to EN 50396 and HD 605 S2
Halogen-free as per IEC 60754-1, Low corrosivity/ acidity of combustion gases per IEC 60754-2, Low toxicity of comb. gases per EN 50305
Low smoke density according to IEC 61034-2

Norm references / Approvals
Based on VDE 0812
Certified resistance to disinfection and cleaning solutions used in food and beverage industry

Product Make-up
Fine-wire/multi-wire (0.34 mm²) strand made of bare copper wires
Core insulation made of special halogen-free compound
Outer sheath made of special TPE
Outer sheath colour: Black

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Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000830 ETIM 6.0 Class-Description: Data cable
Core identification code:	DIN 47100 without colour repetition, refer to Appendix T9
Mutual capacitance:	C/C approx. 60 nF/km
Peak operating voltage:	(not for power applications) at 0.14 mm²: 350 V at ≥ 0.25 mm²: 500 V
Specific insulation resistance:	> 20 GOhm x cm
Inductivity:	approx. 0.65 mH/km
Conductor stranding:	Stranded, fine-wire 0.34 mm²: 7-wire
Minimum bending radius:	Occasional flexing: 10 x outer diameter Fixed installation: 4 x outer diameter
Test voltage:	At 0.14 mm²: 1200 V
Temperature range:	Occasional flexing: -40°C to +90°C Fixed installation: -50°C to +90°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
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
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	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
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1032000	2 x 0.14	3.2	2.8	15
1032001	3 x 0.14	3.4	4.2	17
1032002	4 x 0.14	3.6	5.6	21
1032003	5 x 0.14	3.9	7	25
1032004	7 x 0.14	4.2	9.8	30
1032005	8 x 0.14	4.9	11.2	40
1032006	10 x 0.14	5.2	14	41
1032007	12 x 0.14	5.6	16.8	50
1032009	16 x 0.14	6.1	22.4	63
1032011	25 x 0.14	7.7	35	95
1032012	2 x 0.25	3.8	4.8	21
1032013	3 x 0.25	4	7.2	25
1032014	4 x 0.25	4.3	9.6	31
1032015	5 x 0.25	4.7	12	38
1032016	7 x 0.25	5.1	16.8	47
1032017	8 x 0.25	6.2	19.2	66
1032018	10 x 0.25	6.8	24	71
1032019	12 x 0.25	7	28.8	81
1032021	16 x 0.25	7.7	38.4	104
1032024	25 x 0.25	9.5	60	151
1032025	2 x 0.34	4.2	6.5	29
1032026	3 x 0.34	4.4	9.8	32
1032027	4 x 0.34	4.8	13.1	41
1032028	5 x 0.34	5.5	16.3	52
1032030	7 x 0.34	5.9	22.9	65
1032031	8 x 0.34	7.1	26.1	90
1032032	10 x 0.34	7.6	32.6	93
1032033	12 x 0.34	7.8	39.2	107
1032035	16 x 0.34	8.7	52.2	138
1032038	25 x 0.34	11.2	81.6	213

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