

UNITRONIC® ROBUST C

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

UNITRONIC® ROBUST C: Screened low-frequency data cable, Biopetroleum/ cleaner/ hot water/ hydraulic fluid resistance, -40/+90°C Outdoor Food Beverage Composting

Info

Excellent weather resistance
Good chemical resistance



Food & Beverage



Suitable for outdoor use



Good chemical resistance



Halogen-free



Cold-resistant



UV-resistant

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

Last Update (04.09.2020)

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Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

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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

Tinned-copper braiding

Outer sheath made of special TPE

Outer sheath colour: Black

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 C/S approx. 100 nF/km
Specific insulation resistance:	> 20 GOhm x cm
Inductivity:	approx. 0.65 mH/km
Conductor stranding:	Stranded, fine-wire 0.34 mm ² : 7-wire
Torsion movement in WTG:	TW-0 & TW-2, refer to Appendix T0
Minimum bending radius:	Occasional flexing: 10 x outer diameter Fixed installation: 4 x outer diameter
Test voltage:	At 0.14 mm ² : 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

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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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1032050	2 x 0.14	3.9	9.3	25
1032051	3 x 0.14	4.1	10.8	28
1032052	4 x 0.14	4.3	13.5	34
1032053	5 x 0.14	4.6	15	38
1032055	7 x 0.14	4.9	19	46
1032056	8 x 0.14	5.8	22	60
1032057	10 x 0.14	6.1	25.8	63
1032058	12 x 0.14	6.3	28.9	70
1032060	18 x 0.14	7.3	44	102
1032061	25 x 0.14	8.4	56.1	128
1032062	2 x 0.25	4.5	12.7	33
1032063	3 x 0.25	4.7	16.3	40
1032064	4 x 0.25	5	18.8	46
1032065	5 x 0.25	5.6	22.5	57
1032067	7 x 0.25	6	28.6	69
1032068	8 x 0.25	7.1	33.6	92
1032069	10 x 0.25	7.5	42.8	101
1032070	12 x 0.25	7.7	47.7	111
1032072	18 x 0.25	8.8	62.8	148
1032073	25 x 0.25	10.6	86.5	202
1032074	2 x 0.34	4.9	15.7	44
1032075	3 x 0.34	5.1	20.4	54
1032076	4 x 0.34	5.7	23.6	66
1032077	5 x 0.34	6.2	28.2	78
1032079	7 x 0.34	6.8	36	95
1032080	8 x 0.34	7.8	45.3	127
1032081	10 x 0.34	8.3	53.9	137
1032082	12 x 0.34	8.5	60.7	152
1032084	16 x 0.34	9.4	77.9	191
1032085	18 x 0.34	10.2	84.7	216
1032086	25 x 0.34	11.9	115.7	288