

U.I. Lapp GmbH	PRODUCT INFORMATION	
	UNITRONIC® ROBUST C	05.11.2015

Halogen-free data transmission cable with colour code acc. to DIN 47100 - resistant to a wide range of chemical media
 Outstanding weather, ozone and UV resistance together with the wide temperature range enable versatile use for indoor and outdoor applications

Resistant to contact with plant, animal or synthetic-based organic oils, greases, waxes and the related emulsions

Good resistance to ammonia compounds and bio-gases

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

Well-suited to frequent steam cleaning



Suitable for outdoor use



Good chemical resistance



Food & Beverage



Single halogen-free cable



Cold-resistant



UV-resistant

Info

Excellent weather resistance

Good chemical resistance

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 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

Norm references / Approvals

Based on VDE 0812

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

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Product features

Halogen-free materials
 Good chemical resistance to ester-based hydraulic fluids
 Ozone, UV and weather-resistant according to EN 50396 and HD 605 S2
 Halogen-free according to IEC 60754-1
 (amount of halogen acid gas)
 Corrosiveness of combustion gases according to EN 50267-2-3 (degree of acidity)
 Low smoke density according to IEC 61034-2

Remark

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 are not to scale and do not represent detailed images of the respective products.

Technical Data

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
Peak operating voltage:	(not for power applications) at 0.14 mm ² : 350 V at ≥ 0.25 mm ² : 500 V
Classification:	ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable
Inductivity:	approx. 0.65 mH/km
Specific insulation resistance:	> 20 GOhm x cm
Conductor stranding:	Stranded, fine-wire 0.34 mm ² : 7-wire
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

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Part number	Number of cores and mm ² 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	15.0	38
1032055	7 x 0,14	4.9	19.0	46
1032056	8 x 0,14	5.8	22.0	60
1032057	10 x 0,14	6.1	25.8	63
1032058	12 x 0,14	6.3	28.9	70
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	5.0	18.8	46
1032065	5 x 0,25	5.6	22.5	57
1032067	7 x 0,25	6.0	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
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	36.0	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
1032086	25 x 0,34	11.9	115.7	288