

Low frequency data transmission cables • Halogen-free









UNITRONIC® ROBUST C







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



- · Excellent weather resistance
- Good chemical resistance

LAPP KABEL STUTIGART UNITRONIC® ROBUST C



Renefits

- 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 syntheticbased 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 halogenfree compound
- · Tinned-copper braiding
- · Outer sheath made of special TPE
- · Outer sheath colour: Black

Technical data



Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000830

ETIM 5.0/6.0 Class-Description: Data cable



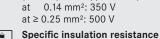
Core identification code DIN 47100 without colour repetition,

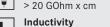
refer to Appendix T9 Mutual capacitance

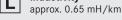


C/C approx. 60 nF/km C/S approx. 100 nF/km

Peak operating voltage (not for power applications)







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

Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)				
UNITRONIC® ROBUST C								
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				
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				

	Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ı	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	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
Ī	1032084	16 x 0.34	9.4	77.9	191
	1032086	25 x 0.34	11 9	115.7	288

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: $coil \le 30 \text{ kg or } \le 250 \text{ m}$, 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.

Accessories

- SKINTOP® ST-HF-M refer to page 693
- KT 11 cable shears

- · DATA STRIP stripping tool refer to page 986
- Fibre Strip DC