


U.I. Lapp GmbH	PRODUCT INFORMATION	
	UNITRONIC® ROBUST C	07.11.2014

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 both indoor and outdoor applications
 Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media
 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



Halogen-free



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

Product Management	Document: LAPP_PRO224936EN.pdf	1 / 3
--------------------	--------------------------------	-------

U.I. Lapp GmbH	PRODUCT INFORMATION	
UNITRONIC® ROBUST C		07.11.2014

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: EC000104 ETIM 5.0 Class-Description: Control 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 ≥ 0.25 mm ² : 1500 V
Temperature range:	Occasional flexing: -40°C to +90°C Fixed installation: -50°C to +90°C

Product Management	Document: LAPP_PRO224936EN.pdf	2 / 3
--------------------	--------------------------------	-------

UNITRONIC® ROBUST C

07.11.2014

Part number	Number of cores and mm ² 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	15.0	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