


U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® ROBUST 210	12.09.2012

Proven all-weather control cables – 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 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



Info

Excellent weather resistance
 High chemical resistance
 Reduced outer diameter

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 indoor and outdoor use

Design

Fine-wire strand made of bare copper wires
 Core insulation made of modified PP
 Cores twisted in layers
 Outer sheath made of special TPE
 Sheath colour: black (RAL 9005)


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
 Flexible down to -40°C
 Number-coded cores

Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
 Copper price basis: EUR 150/100kg. Refer to 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).
 Single lengths for sizes: ≥ 4G16 max. 600 m; ≥ 4G25 max. 300 m; ≥ 4G50 max. 250 m
 Photographs are not to scale and do not represent detailed images of the respective products.

Product Management	Document: LAPP_PRO30EN.pdf	1 / 5
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Technical Data

Core identification code:	Black with white numbers acc. to VDE 0293
Based on:	VDE 0250/0281
Conductor stranding:	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	U ₀ /U: 300/500 V
Test voltage:	4000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Occasional flexing: -40°C to +80°C Fixed installation: -50°C to +80°C

Product Management	Document: LAPP_PRO30EN.pdf	2 / 5
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Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)
ÖLFLEX® ROBUST 210			
0021880	2 X 0,5	4,9	10.0
0021881	3 G 0,5	5,2	15.0
0021882	3 X 0,5	5,2	15.0
0021883	4 G 0,5	5,8	19.2
0021884	4 X 0,5	5,8	19.2
0021885	5 G 0,5	6,3	24.0
0021886	5 X 0,5	6,3	24.0
0021888	7 G 0,5	6,9	33.6
0021889	7 X 0,5	6,9	33.6
0021890	10 G 0,5	8,8	48.0
0021891	12 G 0,5	9,1	58.0
0021892	18 G 0,5	10,8	86.4
0021893	25 G 0,5	12,7	120.0
0021897	2 X 0,75	5,5	14.4
0021898	3 G 0,75	5,8	21.6
0021899	3 X 0,75	5,8	21.6
0021900	4 G 0,75	6,3	28.8
0021901	4 X 0,75	6,3	28.8
0021902	5 G 0,75	6,9	36.0
0021903	5 X 0,75	6,9	36.0
0021904	7 G 0,75	7,5	50.0
0021905	7 X 0,75	7,5	50.0
0021907	12 G 0,75	10,1	86.0
0021908	18 G 0,75	12.0	130.0
0021909	25 G 0,75	14,1	180.0
0021910	34 G 0,75	16,3	245.0
0021911	41 G 0,75	17,8	296.0
0021912	50 G 0,75	19,6	360.0
0021913	2 X 1,0	5,8	19.2
0021914	3 G 1,0	6,1	28.8
0021915	3 X 1,0	6,1	28.8

Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)
0021916	4 G 1,0	6,6	38.4
0021917	4 X 1,0	6,6	38.4
0021918	5 G 1,0	7,3	48.0
0021919	5 X 1,0	7,3	48.0
0021920	7 G 1,0	8,1	67.0
0021921	10 G 1,0	10,4	96.0
0021922	12 G 1,0	10,7	115.0
0021923	18 G 1,0	12,9	173.0
0021924	25 G 1,0	15.0	240.0
0021925	34 G 1,0	17,5	326.0
0021926	41 G 1,0	19,2	394.0
0021927	50 G 1,0	21.0	480.0
0021928	2 X 1,5	6,4	29.0
0021929	3 G 1,5	6,8	43.0
0021930	3 X 1,5	6,8	43.0
0021931	4 G 1,5	7,4	58.0
0021932	4 X 1,5	7,4	58.0
0021933	5 G 1,5	8,3	72.0
0021934	5 X 1,5	8,3	72.0
0021936	7 G 1,5	9.0	101.0
0021937	7 X 1,5	9.0	101.0
0021938	10 G 1,5	11,8	143.0
0021940	12 G 1,5	12,2	173.0
0021941	18 G 1,5	14,6	259.0
0021942	25 G 1,5	17,2	360.0
0021943	34 G 1,5	19,8	490.0
0021945	50 G 1,5	24.0	720.0
0021946	2 X 2,5	7,6	48.0
0021947	3 G 2,5	8,3	72.0
0021949	4 G 2,5	9.0	96.0
0021951	5 G 2,5	10,1	120.0
0021953	7 G 2,5	11,2	168.0

Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)
0021954	12 G 2,5	15,1	288.0
0021963	3 G 4	10,1	115.0
0021964	4 G 4	11,1	157.0
0021965	5 G 4	12,4	192.0
0021966	7 G 4	13,6	269.0
0021967	4 G 6	13,3	230.0
0021968	5 G 6	14,8	288.0
0021969	4 G 10	16,5	384.0
0021970	5 G 10	18,4	480.0
0021971	4 G 16	18,8	614.4
0021972	4 G 25	23,5	960.0
0021973	4 G 35	26,4	1344.0

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