

U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® CLASSIC 110 CY	12.09.2012

Space-saving installation due to small cable diameters
High electrical performance due to 4 kV test voltage



Info

EMC-compliant
VDE reg. no. 7030

Application range

Plant engineering Industrial machinery Heating and air-conditioning systems
Conveyor and transport systems
In EMC-sensitive environments (electromagnetic compatibility)

Design

Fine-wire strand made of bare copper wires
PVC insulation LAPP P8/1
PVC inner sheath, grey
Tinned-copper braiding
PVC outer sheath, transparent

Product features

Flame-retardant according to IEC 60332-1-2
Good chemical resistance see Appendix T1
High degree of screening low transfer impedance (max. 250 Ω/km at 30 MHz)

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).

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

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Technical Data

Core identification code:	Black with white numbers acc. to VDE 0293
Specific insulation resistance:	> 20 GOhm x cm
Conductor stranding:	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius:	Occasional flexing: 20 x outer diameter Fixed installation: 6 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: -15°C to +70°C Fixed installation: -40°C to +80°C
VDE-tested:	VDE reg. no. 7030 for sizes up to and including 65 cores

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Part number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
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1135752	2 X0,5	7.0	41.0	75
1135003	3 G0,5	7,3	45.5	83
1135753	3 X0,5	7,3	45.5	83
1135004	4 G0,5	7,9	55.0	99
1135754	4 X0,5	7,9	55.0	99
1135005	5 G0,5	8,4	66.0	112
1135755	5 X0,5	8,4	66.0	112
1135007	7 G0,5	8,9	80.5	132
1135757	7 X0,5	8,9	80.5	132
1135012	12 G0,5	11,3	138.5	202
1135762	12 X0,5	11,3	138.5	202
1135018	18 G0,5	13,3	156.4	289
1135025	25 G0,5	15,2	250.0	378
1135030	30 G0,5	16,1	297.0	429
1135040	40 G0,5	18,2	343.0	542
1135802	2 X0,75	7,4	46.0	86
1135103	3 G0,75	7,9	57.9	100
1135803	3 X0,75	7,9	57.9	100
1135104	4 G0,75	8,4	64.0	115
1135804	4 X0,75	8,4	64.0	115
1135105	5 G0,75	8,9	77.4	130
1135805	5 X0,75	8,9	77.4	130
1135107	7 G0,75	9,7	102.0	161
1135807	7 X0,75	9,7	102.0	161
1135112	12 G0,75	12,3	177.0	247
1135812	12 X0,75	12,3	177.0	247
1135118	18 G0,75	14,5	243.0	356
1135818	18 X0,75	14,5	243.0	356
1135125	25 G0,75	16,6	307.3	465
1135134	34 G0,75	18,9	323.2	601
1135840	40 X0,75	20,5	369.4	734
1135141	41 G0,75	20,6	488.0	728

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Part number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1135852	2 X1,0	7,9	56.0	98
1135203	3 G1,0	8,2	65.3	111
1135853	3 X1,0	8,2	65.3	111
1135204	4 G1,0	8,7	78.1	130
1135854	4 X1,0	8,7	78.1	130
1135205	5 G1,0	9,5	89.4	153
1135207	7 G1,0	10,2	113.3	185
1135212	12 G1,0	13,3	188.1	307
1135216	16 G1,0	14,6	216.0	390
1135218	18 G1,0	15,5	286.0	418
1135225	25 G1,0	17,5	388.5	544
1135234	34 G1,0	20,3	505.0	738
1135241	41 G1,0	22.0	578.0	864
1135250	50 G1,0	23,8	688.0	1011
1135902	2 X1,5	8,5	65.0	117
1135303	3 G1,5	8,9	83.0	136
1135903	3 X1,5	8,9	83.0	136
1135304	4 G1,5	9,6	100.0	163
1135904	4 X1,5	9,6	100.0	163
1135305	5 G1,5	10,3	125.0	188
1135905	5 X1,5	10,3	125.0	188
1135307	7 G1,5	11,3	149.0	237
1135907	7 X1,5	11,3	149.0	237
1135312	12 G1,5	14,8	280.0	393
1135318	18 G1,5	17,2	389.0	538
1135325	25 G1,5	20,1	535.0	745
1135334	34 G1,5	22,8	702.0	964
1135341	41 G1,5	24,7	844.6	1123
1135350	50 G1,5	27,1	1006.0	1372
1135402	2 X2,5	9,9	112.0	165
1135403	3 G2,5	10,3	146.0	192

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1135404	4 G2,5	11,3	167.0	233
1135405	5 G2,5	12,6	200.0	283
1135407	7 G2,5	13,9	288.0	371
1135412	12 G2,5	17,6	477.3	585
1135502	2 X4	11,4	120.0	247
1135504	4 G4	13,4	237.0	347
1135505	5 G4	14,7	280.0	413
1135602	2 X6	13,6	180.0	353
1135604	4 G6	15,8	318.0	485
1135605	5 G6	17,3	441.0	702
1135607	7 G6	18,8	530.0	950
1135702	2 X10	16,4	256.0	492
1135615	3 G10	17,4	362.4	507
1135614	4 G10	19.0	558.0	735
1135616	5 G10	21,2	595.0	847
1135617	7 G10	23,2	796.0	1039
1135622	2 X16	18,6	390.0	698
1135624	4 G16	22,2	804.0	1395
1135623	5 G16	26,7	935.0	1440
1135626	4 G25	28,7	1161.0	1730
1135627	5 G25	31,6	1400.0	2090
1135625	4 G35	32.0	1543.0	2210
1135628	5 G35	35,5	1901.0	2710