

U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® CLASSIC 130 H	12.09.2012

VDE-tested characteristics



Info

VDE-certified

Application range

Public buildings

Airport, railway station

Plant engineering Industrial machinery Heating and air-conditioning systems Stage applications

Particularly where human and animal life as well as valuable property are exposed to high risk of fire hazards

Design

Fine-wire strand made of bare copper wires

Core insulation: Halogen-free

Outer sheath made of special halogen-free compound, grey (RAL 7001)

Product features

Flame-retardant according to IEC 60332-1-2 (flame spread on a single cable)

No flame-propagation according to IEC 60332-3-24 respectively IEC 60332-3-25 (Flame spread on vertical cable or wire bundle)

Halogen-free according to IEC 60754-1 (amount of halogen acid gas) Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)

Low smoke density according to IEC 61034

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.

Product Management	Document: LAPP_PRO26871EN.pdf	1 / 5
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	ÖLFLEX® CLASSIC 130 H	12.09.2012

Technical Data

Core identification code:	Black with white numbers acc. to VDE 0293
Based on:	VDE 0281 Part 14
Specific insulation resistance:	> 10 MOhm x km
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: -15°C to +70°C Fixed installation: -40°C to +70°C

Product Management	Document: LAPP_PRO26871EN.pdf	2 / 5
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ÖLFLEX® CLASSIC 130 H

12.09.2012

Part number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CLASSIC 130 H				
1123000	2 X 0,5	5,1	9.6	36
1123001	3 G 0,5	5,4	14.4	42
1123002	3 X 0,5	5,4	14.4	42
1123003	4 G 0,5	5,8	19.2	55
1123004	4 X 0,5	5,8	19.2	55
1123005	5 G 0,5	6,3	24.0	65
1123006	5 X 0,5	6,3	24.0	65
1123008	7 G 0,5	6,9	33.6	80
1123009	7 X 0,5	6,9	33.6	80
1123010	8 G 0,5	8,2	38.4	103
1123012	10 G 0,5	8,8	48.0	112
1123013	12 G 0,5	9,1	57.6	128
1123017	18 G 0,5	10,8	86.4	189
1123020	25 G 0,5	12,7	120.0	260
1123021	30 G 0,5	13,6	144.0	294
1123032	2 X 0,75	5,5	14.4	47
1123033	3 G 0,75	5,8	21.6	56
1123034	3 X 0,75	5,8	21.6	56
1123035	4 G 0,75	6,3	28.8	69
1123036	4 X 0,75	6,3	28.8	69
1123037	5 G 0,75	6,9	36.0	83
1123038	5 X 0,75	6,9	36.0	83
1123041	7 G 0,75	7,5	50.4	104
1123042	7 X 0,75	7,5	50.4	104
1123046	10 G 0,75	9,8	72.0	149
1123047	12 G 0,75	10,1	86.4	172
1123048	12 X 0,75	10,1	86.4	172
1123051	18 G 0,75	12.0	129.6	252
1123054	25 G 0,75	14,1	180.0	352
1123056	34 G 0,75	16,3	244.8	466
1123066	2 X 1,0	5,8	19.2	55

ÖLFLEX® CLASSIC 130 H

12.09.2012

Part number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1123067	3 G 1,0	6,1	28.8	67
1123068	3 X 1,0	6,1	28.8	67
1123069	4 G 1,0	6,6	38.4	83
1123070	4 X 1,0	6,6	38.4	83
1123071	5 G 1,0	7,3	48.0	100
1123072	5 X 1,0	7,3	48.0	100
1123074	7 G 1,0	8,1	67.2	130
1123075	7 X 1,0	8,1	67.2	130
1123076	8 G 1,0	9,7	76.8	164
1123078	10 G 1,0	10,4	96.0	183
1123080	12 G 1,0	10,7	115.2	212
1123081	12 X 1,0	10,7	115.2	212
1123083	16 G 1,0	12,1	153.6	275
1123084	18 G 1,0	12,9	172.8	314
1123090	25 G 1,0	15.0	240.0	429
1123094	34 G 1,0	17,5	326.4	570
1123106	2 X 1,5	6,4	28.8	72
1123107	3 G 1,5	6,8	43.2	88
1123108	3 X 1,5	6,8	43.2	88
1123109	4 G 1,5	7,4	57.6	110
1123110	4 X 1,5	7,4	57.6	110
1123111	5 G 1,5	8,3	72.0	135
1123112	5 X 1,5	8,3	72.0	135
1123114	7 G 1,5	9.0	100.8	174
1123115	7 X 1,5	9.0	100.8	174
1123116	8 G 1,5	10,8	115.2	223
1123118	10 G 1,5	11,8	144.0	250
1123120	12 G 1,5	12,2	172.8	289
1123124	18 G 1,5	14,6	259.2	433
1123128	25 G 1,5	17,2	360.0	596
1123130	34 G 1,5	19,8	489.6	786
1123139	2 X 2,5	7,6	48.0	110

ÖLFLEX® CLASSIC 130 H

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1123140	3 G 2,5	8,3	72.0	137
1123142	4 G 2,5	9.0	96.0	174
1123144	5 G 2,5	10,1	120.0	217
1123146	7 G 2,5	11,2	168.0	283
1123149	12 G 2,5	15,1	288.0	467
1123151	18 G 2,5	18.0	432.0	696
1123153	25 G 2,5	21,1	600.0	969
1123159	3 G 4	9,8	115.2	213
1123160	4 G 4	10,8	153.6	267
1123161	5 G 4	12,1	192.0	331
1123162	7 G 4	13,4	268.8	432
1123166	3 G 6	11,7	172.8	303
1123167	4 G 6	13.0	230.4	388
1123168	5 G 6	14,5	288.0	480
1123169	7 G 6	16.0	403.2	626
1123172	4 G 10	16,2	384.0	601
1123173	5 G 10	18,1	480.0	735
1123177	4 G 16	18,8	614.4	917
1123178	5 G 16	21,2	768.0	1148
1123181	4 G 25	23,5	960.0	1418
1123182	5 G 25	26,4	1200.0	1769
1123185	4 G 35	26,6	1344.0	1905