

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

VDE-tested characteristics



Info

High flexibility and oil-resistance

VDE-certified

UV and weather-resistant according to ISO 4892-2

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

Oil-resistant according to EN 60811-2-1 and UL OIL RES I and UL OIL RES II

UV and weather-resistant according to ISO 4892-2

Ozone-resistant according to EN 50396

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
Based on:	HD 21.13 S1 VDE 0281 Part 13 HD 21.5 VDE 0281 Part 5
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: 10 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: -30°C to +70°C Fixed installation: -40°C to +80°C

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Part number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CLASSIC 110 H U ₀ /U: 300/500 V				
10019900	2 X 0,5	5,1	9.6	41
10019901	3 G 0,5	5,4	14.4	49
10019902	3 X 0,5	5,4	14.4	49
10019903	4 G 0,5	5,8	19.2	58
10019904	4 X 0,5	5,8	19.2	58
10019905	5 G 0,5	6,3	24.0	69
10019906	7 G 0,5	6,9	33.6	87
10019907	12 G 0,5	9,1	57.6	141
10019910	2 X 0,75	5,5	14.4	51
10019911	3 G 0,75	5,8	21.6	61
10019912	3 X 0,75	5,8	21.6	61
10019913	4 G 0,75	6,3	28.8	73
10019914	4 X 0,75	6,3	28.8	73
10019915	5 G 0,75	6,9	36.0	87
10019916	5 X 0,75	6,9	36.0	87
10019917	7 G 0,75	7,5	50.4	111
10019918	7 X 0,75	7,5	50.4	111
10019919	9 G 0,75	9,6	64.8	150
10019920	12 G 0,75	10,1	86.4	186
10019921	18 G 0,75	12.0	129.6	265
10019922	25 G 0,75	14,1	180.0	365
10019960	2 X 1,0	5,8	19.2	59
10019961	3 G 1,0	6,1	28.8	72
10019962	3 X 1,0	6,1	28.8	72
10019963	4 G 1,0	6,6	38.4	87
10019964	4 X 1,0	6,6	38.4	87
10019965	5 G 1,0	7,3	48.0	104
10019967	7 G 1,0	8,1	67.2	138
10019968	8 G 1,0	9,7	76.8	164
10019969	12 G 1,0	10,7	115.2	225
10019970	14 G 1,0	11,4	134.4	261

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Part number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
10019971	18 G 1,0	12,9	172.8	328
10019972	25 G 1,0	15.0	240.0	445
10019973	41 G 1,0	19,2	393.6	719
10019930	2 X 1,5	6,4	28.8	76
10019931	3 G 1,5	6,8	43.2	94
10019980	3 X 1,5	6,8	43.2	94
10019932	4 G 1,5	7,4	57.6	115
10019933	5 G 1,5	8,3	72.0	142
10019934	7 G 1,5	9.0	100.8	184
10019981	8 G 1,5	10,8	115.2	218
10019982	9 G 1,5	11,6	129.6	245
10019935	12 G 1,5	12,2	172.8	308
10019936	14 G 1,5	13.0	201.6	357
10019937	18 G 1,5	14,6	259.2	449
10019938	25 G 1,5	17,2	360.0	617
10019927	34 G 1,5	19,8	489.6	821
10019944	2 X 2,5	7,6	48.0	113
10019945	3 G 2,5	8,3	72.0	146
10019946	4 G 2,5	9.0	96.0	180
10019947	5 G 2,5	10,1	120.0	221
10019948	7 G 2,5	11,2	168.0	295
10019949	12 G 2,5	15,1	288.0	491
10019950	4 G 4	10,8	153.6	268
10019951	5 G 4	12,1	192.0	328
10019952	7 G 4	13,4	268.8	438
10019953	4 G 6	13.0	230.4	391
10019954	5 G 6	14,5	288.0	478
10019975	7 G 6	16.0	403.2	638
10019851	4 G 10	16,2	384.0	635

Part number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
10019852	5 G 10	18,1	480.0	775
10019849	4 G 16	18,8	614.4	930
10019853	5 G 16	21,2	768.0	1147
10019854	4 G 25	23,5	960.0	1442
10019855	5 G 25	26,4	1200.0	1773
10019856	4 G 35	26,6	1344.0	1917