

VDE certified characteristics

Product Description

LAPP KABEL STUTTGART ÖLFLEX® CLASSIC 110 H IEC 332.3 CE HALOGENFREE · OIL RESISTANT



Application range

- Public buildings
- Airport, railway station
- Plant engineering and construction Industrial machinery Air conditioning installations Stage technique
- Particularly where human and animal life as well as valuable property are exposed to high risk of fire hazards

Design

- Fine strands of bare copper wires
- Core insulation: Halogen-free
- Special blended halogen-free outer sheathgrey (RAL 7001)

Product features

- Flame retardant according to IEC 60332-1-2 (flame spread on single cable)
- No flame propagation acc. 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 acc. to IEC 61034
- Oil resistant acc. to EN 60811-2-1 and UL OIL RES I and UL OIL RES II



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 in accordance to VDE 0295 Class 5 / IEC

60228 Class 5

Minimum bending radius

Occasional flexing: 10 x cable diameter

Fixed installation: 4 x cable diameter

Rated voltage

U0/U: 300/500 V

Test voltage

4000 V

Protective conductor

G = with protective conductor GN/YE

X = without protective conductor

Range of temperature

Occasional flexing: -30°C up to +70°C

Fixed installation: -40°C up to +80°C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
ÖLFLEX® CLASSIC 110 H U0/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	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	87
10019916	5 X 0,75	6,9	36	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	129.6	265
10019922	25 G 0,75	14,1	180	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	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
10019971	18 G 1,0	12,9	172.8	328
10019972	25 G 1,0	15	240	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	142
10019934	7 G 1,5	9	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	201.6	357
10019937	18 G 1,5	14,6	259.2	449
10019938	25 G 1,5	17,2	360	617
10019927	34 G 1,5	19,8	489.6	821
10019944	2 X 2,5	7,6	48	113
10019945	3 G 2,5	8,3	72	146
10019946	4 G 2,5	9	96	180
10019947	5 G 2,5	10,1	120	221
10019948	7 G 2,5	11,2	168	295
10019949	12 G 2,5	15,1	288	491
10019950	4 G 4	10,8	153.6	268
10019951	5 G 4	12,1	192	328
10019952	7 G 4	13,4	268.8	438

10019953	4 G 6	13	230.4	391
10019954	5 G 6	14,5	288	478
10019975	7 G 6	16	403.2	638
10019851	4 G 10	16,2	384	635
10019852	5 G 10	18,1	480	775
10019849	4 G 16	18,8	614.4	930
10019853	5 G 16	21,2	768	1147
10019854	4 G 25	23,5	960	1442
10019855	5 G 25	26,4	1200	1773
10019856	4 G 35	26,6	1344	1917

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: Coil <= 30 kg and <= 250 m, otherwise drum

Please specify the desired packaging size (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.