
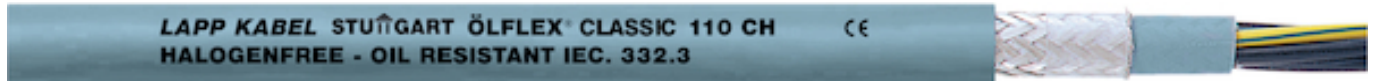


U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® CLASSIC 110 CH	12.09.2012

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
Particularly where human and animal life as well as valuable property are exposed to high risk of fire hazards
In EMC-sensitive environments (electromagnetic compatibility)

Design

Fine-wire strand made of bare copper wires
Core insulation: Halogen-free
Halogen-free inner sheath, grey
Tinned-copper braiding
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 \leq 30 kg or \leq 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: \geq 4G50 max. 500 m

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: 15 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: -30°C to +70°C Fixed installation: -40°C to +80°C

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Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
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10035030	2 X 0,5	7,1	29.1	85
10035031	3 G 0,5	7,4	35.1	95
10035032	3 X 0,5	7,4	35.1	95
10035033	4 G 0,5	8.0	41.4	111
10035034	4 X 0,5	8.0	41.4	111
10035035	5 G 0,5	8,6	48.0	126
10035036	7 G 0,5	9,1	59.9	148
10035037	12 G 0,5	11,5	91.4	226
10035040	2 X 0,75	7,7	35.4	101
10035041	3 G 0,75	8.0	43.8	114
10035042	3 X 0,75	8.0	43.8	114
10035043	4 G 0,75	8,5	52.8	130
10035044	4 X 0,75	8,5	52.8	130
10035045	5 G 0,75	9,3	62.3	153
10035046	5 X 0,75	9,3	62.3	153
10035047	7 G 0,75	9,9	79.5	183
10035048	7 X 0,75	9,9	79.5	183
10035050	12 G 0,75	12,5	123.2	280
10035051	18 G 0,75	14,8	188.6	399
10035052	25 G 0,75	16,9	247.5	522
10035055	2 X 1,0	8.0	41.4	112
10035056	3 G 1,0	8,4	52.1	127
10035057	3 X 1,0	8,4	52.1	127
10035058	4 G 1,0	8,9	73.5	157
10035059	4 X 1,0	8,9	73.5	157
10035060	5 G 1,0	9,7	83.2	171
10035061	7 G 1,0	10,3	97.2	210
10035062	12 G 1,0	13,6	168.7	347
10035063	18 G 1,0	15,7	235.4	474
10035064	25 G 1,0	17,8	312.0	611
10035065	41 G 1,0	22,4	508.0	969

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Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
10035067	2 X 1,5	8,6	53.2	134
10035068	3 G 1,5	9.0	69.1	155
10035069	3 X 1,5	9.0	69.1	155
10035070	4 G 1,5	9,8	85.8	186
10035071	5 G 1,5	10,5	102.8	215
10035072	7 G 1,5	11,4	134.2	269
10035073	12 G 1,5	15.0	232.8	445
10035074	18 G 1,5	17,4	327.8	610
10035075	25 G 1,5	20,4	463.2	843
10035089	3 G 2,5	10,5	102.8	220
10035090	4 G 2,5	11,4	129.4	265
10035091	5 G 2,5	12,7	157.5	322
10035092	7 G 2,5	14.0	223.0	422
10035093	12 G 2,5	17,9	360.5	659
10035094	4 G 4	13,6	207.6	390
10035095	5 G 4	14,9	251.5	463
10035096	7 G 4	16,2	333.9	588
10035097	4 G 6	15,8	294.8	516
10035098	5 G 6	17,3	356.1	616
10035099	7 G 6	18,8	479.3	792
10035380	4 G 10	19,1	461.1	789
10035381	5 G 10	21,4	586.6	998
10035382	4 G 16	22,3	727.6	1154
10035383	5 G 16	24,5	888.7	1389
10035384	4 G 25	27.0	1123.9	1807
10035386	4 G 35	30,4	1529.2	2321



Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0035388	4 G 50	36,5	2162.0	3741
0035390	4 G 70	41,6	2973.0	5054
0035392	4 G 95	47,9	3966.0	6427