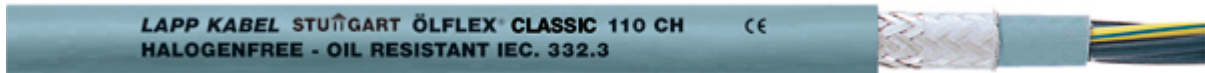


VDE certified characteristics

Product Description



Application range

- Public buildings
- Airport, railway station
- Plant engineering and construction Industrial machinery Air conditioning installations
- Particularly where human and animal life as well as valuable property are exposed to high risk of fire hazards
- In EMI critical environment (electromagnetic interference)

Design

- Fine strands of bare copper wires
- Core insulation: Halogen-free
- Halogen-free inner sheath, grey
- tinned copper braid
- Special blended halogen-free outer sheath grey (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: 15 x cable diameter

Fixed installed: 6 x outer 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 CH U0/U: 300/500 V				
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
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
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

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 \leq 30 kg and \leq 250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

Single lengths for sizes: \geq 4G50 max. 500m

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