

Wide-range use

PVC sheath and numbered cores

ÖLFLEX® CLASSIC 110 CY



Info

- EMC compliant
- VDE Reg. No. 7030

Benefits

- Space-saving installation due to small cable diameters
- High electrical performance due to 4kV test voltage

Application range

- Plant engineering and construction
Industrial machinery
Air conditioning installations
- Conveying and transport systems
- In EMI critical environment (electromagnetic interference)

Product features

- Flame-retardant acc. to IEC 60332-1-2
- Good chemical resistance table T1 appendix
- High coverage degree of the screen low transfer impedance (max. 250 Ω/km at 30 MHz)

Approvals (Norm references)



- Remark: A RoHS-non-compliant version is marketed under ÖLFLEX® 110 CY with VDE-REG.-Nr. 8067. To order this, please add appendix <1> to the above stated part numbers. This does not affect the above given further technical data or description.

Product Make-up

- Fine strands of bare copper wires
- PVC insulation LAPP P8/1
- PVC inner sheath, grey
- Screen made of tinned copper wire braid
- PVC outer sheath, transparent

Technical data

- Core identification code**
black with white numbers acc. to VDE 0293
- Specific insulation resistance**
> 20 GΩhm x cm
- Conductor stranding**
fine wire acc. to VDE 0295 Kl.5 / IEC 60228 Cl.5
- Minimum bending radius**
occasional flexing: 20 x cable diameter
fixed installation: 6 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: -5 °C to +70 °C
fixed installation: -40 °C to +80 °C
- VDE-tested**
VDE Reg. No. 7030 for sizes up to and including 60 cores

Part number	Number of cores and mm ² per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
ÖLFLEX® CLASSIC 110 CY; U₀/U: 300/500 V				
1135752	2 X 0.5	7.0	41.0	75
1135003	3 G 0.5	7.3	45.5	83
1135753	3 X 0.5	7.3	45.5	83
1135004	4 G 0.5	7.9	55.0	99
1135754	4 X 0.5	7.9	55.0	99
1135005	5 G 0.5	8.4	66.0	112
1135755	5 X 0.5	8.4	66.0	112
1135007	7 G 0.5	8.9	80.5	132
1135757	7 X 0.5	8.9	80.5	132
1135012	12 G 0.5	11.3	138.5	202
1135762	12 X 0.5	11.3	138.5	202
1135018	18 G 0.5	13.3	156.4	289
1135025	25 G 0.5	15.2	250.0	378
1135030	30 G 0.5	16.1	297.0	429
1135040	40 G 0.5	18.2	343.0	542
1135802	2 X 0.75	7.4	46.0	86
1135103	3 G 0.75	7.9	57.9	100
1135803	3 X 0.75	7.9	57.9	100
1135104	4 G 0.75	8.4	64.0	115
1135804	4 X 0.75	8.4	64.0	115
1135105	5 G 0.75	8.9	77.4	130
1135805	5 X 0.75	8.9	77.4	130
1135107	7 G 0.75	9.7	102.0	161
1135807	7 X 0.75	9.7	102.0	161
1135112	12 G 0.75	12.3	177.0	247
1135812	12 X 0.75	12.3	177.0	247
1135118	18 G 0.75	14.5	243.0	356
1135818	18 X 0.75	14.5	243.0	356
1135125	25 G 0.75	16.6	307.3	465
1135134	34 G 0.75	18.9	323.2	601
1135840	40 X 0.75	20.5	369.4	734
1135141	41 G 0.75	20.6	488.0	728
1135852	2 X 1	7.9	56.0	98
1135203	3 G 1	8.2	65.3	111
1135853	3 X 1	8.2	65.3	111
1135204	4 G 1	8.7	78.1	130
1135854	4 X 1	8.7	78.1	130
1135205	5 G 1	9.5	89.4	153
1135207	7 G 1	10.2	113.3	185
1135212	12 G 1	13.3	188.1	307
1135216	16 G 1	14.6	216.0	390
1135218	18 G 1	15.5	286.0	418
1135225	25 G 1	17.5	388.5	544

Part number	Number of cores and mm ² per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
1135234	34 G 1	20.3	505.0	738
1135241	41 G 1	22.0	578.0	864
1135250	50 G 1	23.8	688.0	1,011
1135902	2 X 1.5	8.5	65.0	117
1135303	3 G 1.5	8.9	83.0	136
1135903	3 X 1.5	8.9	83.0	136
1135304	4 G 1.5	9.6	100.0	163
1135904	4 X 1.5	9.6	100.0	163
1135305	5 G 1.5	10.3	125.0	188
1135905	5 X 1.5	10.3	125.0	188
1135307	7 G 1.5	11.3	149.0	237
1135907	7 X 1.5	11.3	149.0	237
1135312	12 G 1.5	14.8	280.0	393
1135318	18 G 1.5	17.2	389.0	538
1135325	25 G 1.5	20.1	535.0	745
1135334	34 G 1.5	22.8	702.0	964
1135341	41 G 1.5	24.7	844.6	1,123
1135350	50 G 1.5	27.1	1,006.0	1,372
1135402	2 X 2.5	9.9	112.0	202
1135403	3 G 2.5	10.3	146.0	192
1135404	4 G 2.5	11.3	167.0	233
1135405	5 G 2.5	12.6	200.0	283
1135407	7 G 2.5	13.9	288.0	371
1135412	12 G 2.5	17.6	477.3	585
1135502	2 X 4	11.4	120.0	247
1135504	4 G 4	13.4	237.0	347
1135505	5 G 4	14.7	280.0	413
1135602	2 X 6	13.6	180.0	353
1135604	4 G 6	15.8	318.0	485
1135605	5 G 6	17.0	441.0	702
1135607	7 G 6	18.8	530.0	950
1135702	2 X 10	16.4	256.0	492
1135615	3 G 10	17.4	362.4	507
1135614	4 G 10	19.0	558.0	735
1135616	5 G 10	21.2	595.0	847
1135617	7 G 10	23.2	796.0	1,039
1135622	2 X 16	18.6	390.0	698
1135624	4 G 16	22.2	804.0	1,395
1135623	5 G 16	26.7	935.0	1,440
1135626	4 G 25	28.7	1,161.0	1,730
1135627	5 G 25	31.6	1,400.0	2,090
1135625	4 G 35	32.0	1,543.0	2,210
1135628	5 G 35	35.5	1,901.0	2,710

Copper price basis: EUR 150 / 100 kg
 Our standard lengths, please visit: 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)

Comparable products

- ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV see page 41

Accessories

- SKINTOP® MS-SC-M BRUSH see page 569