

### Product Description

Additional mechanical protection due to steel wire braid; High electrical performance due to 4kV test voltage



### Application range

- Plant engineering and construction Industrial machinery Air conditioning installations
- Areas with increased mechanical stress requirements
- Fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load

### Benefits

- Additional mechanical protection due to steel wire braid
- High electrical performance due to 4kV test voltage

### Design

- Fine strands of bare copper wires
- PVC insulation LAPP P8/1
- PVC inner sheath, grey
- Oxidation protected steel wire braid
- PVC outer sheath, transparent

### Product features

- Flame retardant according to IEC 60332-1-2
- Good chemical resistance see Appendix T1



Technical Data

**Core identification code**

Black with white numbers acc. to VDE 0293

**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: 20 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: -5°C up to +70°C

Fixed installation: -40°C up to +80°C

**VDE tested**

VDE Reg. No. 7030 for sizes up to and including 65 cores

Article List

Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
ÖLFLEX® CLASSIC 110 SY				
1125752	2 X 0,5	7,8	10.0	87
1125003	3 G 0,5	8,1	15.0	95
1125004	4 G 0,5	8,5	19.2	107
1125005	5 G 0,5	9,2	24.0	123
1125007	7 G 0,5	9,7	33.6	147
1125010	10 G 0,5	11,6	48.0	196
1125012	12 G 0,5	11,9	58.0	213
1125014	14 G 0,5	12,5	67.0	237
1125018	18 G 0,5	13,9	86.4	291
1125021	21 G 0,5	14,9	101.0	332
1125025	25 G 0,5	15,6	120.0	375
1125030	30 G 0,5	16,5	144.0	422
1125040	40 G 0,5	18,8	192.0	545
1125061	61 G 0,5	21,9	293.0	773
1125802	2 X 0,75	8,2	14.4	97
1125103	3 G 0,75	8,5	21.6	108
1125104	4 G 0,75	9,2	28.8	126
1125105	5 G 0,75	9,7	36.0	146

1125107	7 G 0,75	10,3	50.0	172
1125109	9 G 0,75	12,4	65.0	224
1125112	12 G 0,75	12,9	86.0	260
1125115	15 G 0,75	14,1	108.0	315
1125118	18 G 0,75	14,9	130.0	355
1125125	25 G 0,75	17.0	180.0	465
1125134	34 G 0,75	19,3	245.0	596
1125150	50 G 0,75	22,8	360.0	832
1125852	2 X 1,0	8,5	19.2	106
1125203	3 G 1,0	8,8	28.8	119
1125204	4 G 1,0	9,5	38.4	141
1125205	5 G 1,0	10,1	48.0	164
1125207	7 G 1,0	11.0	67.0	200
1125208	8 G 1,0	12,5	77.0	234
1125209	9 G 1,0	13,2	86.0	260
1125212	12 G 1,0	13,9	115.0	309
1125214	14 G 1,0	14,4	134.0	345
1125218	18 G 1,0	15,9	173.0	415
1125220	20 G 1,0	16,8	192.0	455
1125225	25 G 1,0	18,1	240.0	548
1125234	34 G 1,0	20,5	326.0	714
1125241	41 G 1,0	22,2	394.0	832
1125250	50 G 1,0	24,2	480.0	987
1125265	65 G 1,0	27,2	624.0	1250
1125902	2 X 1,5	9,3	29.0	128
1125303	3 G 1,5	9,7	43.0	151
1125304	4 G 1,5	10,2	58.0	173
1125305	5 G 1,5	11,1	72.0	202
1125307	7 G 1,5	11,9	101.0	248
1125308	8 G 1,5	14.0	115.0	301
1125312	12 G 1,5	15,4	173.0	396
1125314	14 G 1,5	15,9	202.0	438
1125318	18 G 1,5	17,6	259.0	538
1125325	25 G 1,5	20,3	360.0	713
1125332	32 G 1,5	22,1	461.0	876
1125341	41 G 1,5	24,9	591.0	1101
1125350	50 G 1,5	27,1	720.0	1305
1125403	3 G 2,5	11,1	72.0	206
1125404	4 G 2,5	12,1	96.0	249
1125405	5 G 2,5	13,2	120.0	295
1125407	7 G 2,5	14,3	168.0	373



1125412	12 G 2,5	18,2	288.0	586
1125418	18 G 2,5	21,4	432.0	823
1125425	25 G 2,5	24,4	600.0	1093
1125503	3 G 4	12,7	115.0	285
1125504	4 G 4	14.0	154.0	348
1125505	5 G 4	15,1	192.0	410
1125507	7 G 4	16,4	269.0	519
1125604	4 G 6	16,2	230.0	482
1125605	5 G 6	17,7	288.0	579
1125607	7 G 6	19,2	403.0	740
1125614	4 G 10	19,4	384.0	731
1125615	5 G 10	21,5	480.0	889
1125617	7 G 10	23,4	672.0	1146
1125624	4 G 16	22,4	614.0	1384
1125625	5 G 16	24,6	768.0	1740
1125626	4 G 25	28,9	960.0	1680
1125630	5 G 25	31,8	1200.0	2050
1125629	4 G 35	32,2	1344.0	2170

**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](http://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)

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