

### Product Description

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
- Servo drives
- In EMI critical environment (electromagnetic interference)

### Benefits

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

### Design

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

### Product features

- Flame retardant according to IEC 60332-1-2
- Good chemical resistance see Appendix T1
- High coverage degree of the screen low transfer impedance (max. 250 Ohm/km at 30 MHz)



Technical Data

**Core identification code**

Up to 5 cores: according to VDE 0293-308 (appendix T9)  
Starting at 6 cores: ÖLFLEX® colour code (appendix T7)

**Based on**

IEC 60227-5 HD 21.5 S3  
VDE 0281 Part 5  
HD 21.13 S1  
VDE 0281 Part 13

**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**

Up to 1.0 mm<sup>2</sup>: U0/U: 300/500 V  
Starting at 1.5 mm<sup>2</sup>: U0/U: 450/750 V Fixed, protected installation: U0/U: 600/1000 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

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 100 CY; U0/U: 300/500 V				
0035001	2 X 0,5	7.0	41.0	75
0035002	3 G 0,5	7,3	46.0	83
00350033	4 G 0,5	7,9	55.0	99
00352013	5 G 0,5	8,4	66.0	112
0035202	7 G 0,5	8,9	80.0	132
0035004	2 X 0,75	7,4	46.0	86
0035005	3 G 0,75	7,9	57.0	100
00350063	4 G 0,75	8,4	64.0	115
00350163	5 G 0,75	8,9	77.0	130
0035203	7 G 0,75	9,7	102.0	161
0035220	2 X 1,0	7,9	56.0	98
0035221	3 G 1,0	8,2	65.0	111



00352223	4 G 1,0	8,7	78.0	130
00352233	5 G 1,0	9,5	89.0	153
0035204	7 G 1,0	10,2	113.0	185
ÖLFLEX® CLASSIC 100 CY; U0/U: 450/750 V				
0035000	2 X 1,5	9,9	65.0	132
0035458	3 G 1,5	10,3	79.0	170
00354593	4 G 1,5	11,3	97.0	204
00354603	5 G 1,5	12,6	116.0	246
0035461	7 G 1,5	13,9	149.0	320
0035011	3 G 2,5	11,8	146.0	211
00350173	4 G 2,5	13,5	167.0	310
00350123	5 G 2,5	14,6	200.0	326
0035289	7 G 2,5	15,9	288.0	444
00350183	4 G 4	15,1	237.0	403
00350133	5 G 4	16,5	328.0	478
00350193	4 G 6	16,6	318.0	521
00350143	5 G 6	18,2	441.0	624
0034953	3 G 10	18,9	414.0	690
00350213	4 G 10	21,1	558.0	843
00352903	5 G 10	23,1	714.0	1004
0034954	3 G 16	21,7	607.0	910
00350223	4 G 16	23,9	804.0	1164
00350153	5 G 16	26,8	1050.0	1812
0034955	3 G 25	26,6	936.0	1330
00350233	4 G 25	29,4	1289.0	1903
00350243	5 G 25	32,6	1446.0	2374
0034956	3 G 35	29,4	1258.0	1370
00350253	4 G 35	32,4	1693.0	2489
00350263	5 G 35	36.0	1975.0	2771
0034952	3 G 50	35,1	1748.0	2590
00350273	4 G 50	38,8	2342.0	3362
00350283	4 G 70	43,7	3035.0	3719
00350293	4 G 95	50,4	4055.0	5849
00354303	4 G 120	56,8	5225.0	7509
00354313	4 G 150	62,2	6300.0	7800
00354323	4 G 185	67,8	7753.0	9866

**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)

Single lengths for sizes:  $\geq$  4G50 max. 500m;  $\geq$  4G95 max. 400m;  $\geq$  4G120 max. 300m;  $\geq$  4G150 max. 250m

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