

### 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
- 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

### 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 to the below stated part numbers. This does not affect the above given further technical data or description.

### 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**

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 CY |   |                      |                    |              |
| 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 1,0   | 7,9  | 56.0  | 98   |
| 1135203 | 3 G 1,0   | 8,2  | 65.3  | 111  |
| 1135853 | 3 X 1,0   | 8,2  | 65.3  | 111  |
| 1135204 | 4 G 1,0   | 8,7  | 78.1  | 130  |
| 1135854 | 4 X 1,0   | 8,7  | 78.1  | 130  |
| 1135205 | 5 G 1,0   | 9,5  | 89.4  | 153  |
| 1135207 | 7 G 1,0   | 10,2 | 113.3 | 185  |
| 1135212 | 12 G 1,0  | 13,3 | 188.1 | 307  |
| 1135216 | 16 G 1,0  | 14,6 | 216.0 | 390  |
| 1135218 | 18 G 1,0  | 15,5 | 286.0 | 418  |
| 1135225 | 25 G 1,0  | 17,5 | 388.5 | 544  |
| 1135234 | 34 G 1,0  | 20,3 | 505.0 | 738  |
| 1135241 | 41 G 1,0  | 22.0 | 578.0 | 864  |
| 1135250 | 50 G 1,0  | 23,8 | 688.0 | 1011 |
| 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  | 1123 |
| 1135350 | 50 G 1,5 | 27,1 | 1006.0 | 1372 |
| 1135402 | 2 X 2,5  | 9,9  | 112.0  | 165  |
| 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    | 17,3 | 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  | 1039 |
| 1135622 | 2 X 16   | 18,6 | 390.0  | 698  |
| 1135624 | 4 G 16   | 22,2 | 804.0  | 1395 |
| 1135623 | 5 G 16   | 26,7 | 935.0  | 1440 |
| 1135626 | 4 G 25   | 28,7 | 1161.0 | 1730 |
| 1135627 | 5 G 25   | 31,6 | 1400.0 | 2090 |
| 1135625 | 4 G 35   | 32.0 | 1543.0 | 2210 |
| 1135628 | 5 G 35   | 35,5 | 1901.0 | 2710 |

**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 ≤ 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)

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

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