


CE RoHS

Suitable for outdoor use

Torsion-resistant

UV-resistant

**Info**
Good outdoor performance

**Application range**
Plant engineering Industrial machinery Heating and air-conditioning systemsPower stationsStage applications
For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load
Suitable for direct burial
Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)

**Design**
Fine-wire strand made of bare copper wires
PVC insulation LAPP P8/1
PVC outer sheath, black (RAL 9005)

**Norm references / Approvals**
Based on VDE 0250-1 and HD 627-1 S1

**Product features**
Flame-retardant according IEC 60332-1-2
UV and weather-resistant according to ISO 4892-2
Ozone-resistant according to EN 50396

**Remark**
Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (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.
*OD = Outer diameter



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## Technical Data

| | |
|---|---|
| Core identification code: | Black with white numbers acc. to VDE 0293-1 |
| Classification: | ETIM 5.0 Class-ID: EC000104<br>ETIM 5.0 Class-Description: Control cable |
| Conductor stranding: | Fine wire according to VDE 0295,<br>class 5/IEC 60228 class 5 |
| Torsion movement in WTG: | TW-0 & TW-1, refer to Appendix T0 |
| Minimum bending radius: | Static/Occ. moved: 4/15xOD* |
| Nominal voltage: | $U_0$/U: 600/1000 V |
| Test voltage: | 4000 V |
| Protective conductor: | G = with GN-YE protective conductor<br>X = without protective conductor |
| Temperature range: | Occasional flexing: -5°C to +70°C<br>Fixed installation: -40°C to +80°C |



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| Part number | Number of cores and mm² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|---|---|---|---|---|
| ÖLFLEX® CLASSIC 110 BLACK | | | | |
| 1120232 | 2 X0,75 | 8,3 | 14.4 | 81 |
| 1120233 | 3 G0,75 | 8,7 | 21.6 | 93 |
| 1120234 | 3 X0,75 | 8,7 | 21.6 | 93 |
| 1120235 | 4 G0,75 | 9,2 | 29.0 | 108 |
| 1120237 | 5 G0,75 | 9,9 | 36.0 | 126 |
| 1120241 | 7 G0,75 | 10,7 | 51.0 | 162 |
| 1120248 | 12 G0,75 | 13,4 | 86.0 | 236 |
| 1120251 | 18 G0,75 | 15,4 | 130.0 | 334 |
| 1120259 | 41 G0,75 | 21,6 | 296.0 | 713 |
| | | | | |
| 1120266 | 2 X1,0 | 8,6 | 19.2 | 98 |
| 1120267 | 3 G1,0 | 9.0 | 29.0 | 112 |
| 1120268 | 3 X1,0 | 9.0 | 29.0 | 112 |
| 1120269 | 4 G1,0 | 9,6 | 38.4 | 131 |
| 1120270 | 4 X1,0 | 9,6 | 38.4 | 131 |
| 1120271 | 5 G1,0 | 10,4 | 48.0 | 152 |
| 1120274 | 7 G1,0 | 11,1 | 67.0 | 196 |
| 1120280 | 12 G1,0 | 14.0 | 116.0 | 286 |
| 1120284 | 18 G1,0 | 16,1 | 173.0 | 419 |
| 1120290 | 25 G1,0 | 18,6 | 240.0 | 572 |
| 1120294 | 34 G1,0 | 21,3 | 326.0 | 764 |
| 1120298 | 41 G1,0 | 23,2 | 394.0 | 891 |
| | | | | |
| 1120306 | 2 X1,5 | 9,6 | 29.0 | 123 |
| 1120307 | 3 G1,5 | 10,1 | 43.0 | 144 |
| 1120308 | 3 X1,5 | 10,1 | 43.0 | 144 |
| 1120309 | 4 G1,5 | 10,8 | 58.0 | 170 |
| 1120311 | 5 G1,5 | 11,7 | 72.0 | 199 |
| 1120314 | 7 G1,5 | 12,6 | 101.0 | 261 |
| 1120320 | 12 G1,5 | 16,1 | 173.0 | 399 |
| 1120322 | 14 G1,5 | 17.0 | 202.0 | 448 |
| 1120324 | 18 G1,5 | 18,8 | 259.0 | 547 |
| 1120328 | 25 G1,5 | 21,7 | 360.0 | 770 |
| | | | | |



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| Part number | Number of cores and mm² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|---|---|---|---|---|
| 1120330 | 34 G1,5 | 24,9 | 490.0 | 996 |
| 1120333 | 50 G1,5 | 29,8 | 720.0 | 1427 |
| | | | | |
| 1120339 | 2 X2,5 | 10,8 | 48.0 | 147 |
| 1120340 | 3 G2,5 | 11,3 | 72.0 | 182 |
| 1120342 | 4 G2,5 | 12,2 | 96.0 | 225 |
| 1120343 | 4 X2,5 | 12,2 | 96.0 | 225 |
| 1120344 | 5 G2,5 | 13,3 | 120.0 | 266 |
| 1120346 | 7 G2,5 | 14,4 | 168.0 | 354 |
| 1120349 | 12 G2,5 | 18,7 | 288.0 | 540 |
| 1120350 | 14 G2,5 | 19,8 | 336.0 | 542 |
| 1120351 | 18 G2,5 | 22.0 | 432.0 | 788 |
| 1120353 | 25 G2,5 | 25,8 | 600.0 | 1094 |
| | | | | |
| 1120360 | 4 G4 | 13,8 | 154.0 | 324 |
| 1120361 | 5 G4 | 15,1 | 192.0 | 385 |
| 1120362 | 7 G4 | 16,4 | 269.0 | 513 |
| | | | | |
| 1120366 | 4 G6 | 15,1 | 230.0 | 442 |
| 1120367 | 5 G6 | 16,8 | 288.0 | 526 |
| 1120368 | 7 G6 | 18,2 | 403.0 | 705 |
| | | | | |
| 1120370 | 4 G10 | 18,7 | 384.0 | 707 |
| 1120371 | 5 G10 | 20,7 | 480.0 | 881 |
| | | | | |
| 1120374 | 4 G16 | 21,3 | 614.0 | 1100 |
| 1120375 | 5 G16 | 23,6 | 768.0 | 1600 |
| 1120376 | 7 G16 | 26,2 | 1075.0 | 1890 |
| | | | | |
| 1120378 | 4 G25 | 26,2 | 960.0 | 1600 |
| 1120379 | 5 G25 | 29.0 | 1200.0 | 2050 |
| | | | | |
| 1120382 | 4 G35 | 29,1 | 1344.0 | 2400 |
| 1120383 | 5 G35 | 32,5 | 1680.0 | 2900 |



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|---|---|---|---|---|
| 1120385 | 4 G50 | 35,6 | 1920.0 | 3400 |
| 1120387 | 4 G70 | 40,7 | 2688.0 | 5050 |
| 1120389 | 4 G95 | 46,8 | 3648.0 | 6010 |
| 1120390 | 4 G120 | 53,5 | 4608.0 | 7500 |




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