

## ÖLFLEX® CLASSIC 110 SY

Steel-wire braided PVC control cable with transparent outer sheath

ÖLFLEX® CLASSIC 110 SY - PVC control cable, VDE registered and with steel wire braid, flexible cable for various applications,  $U_0/U$ : 300/500V

### Info

Steel wire braiding for extra mechanical protection  
VDE reg. no. 7030



Mechanical resistance



Good chemical resistance

### Benefits

Extra mechanical protection due to braided steel wire  
High electrical performance due to 4 kV test voltage

### Application range

Plant engineering  
Industrial machinery  
Heating and air-conditioning systems  
Areas with high mechanical stress  
For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load

### Product features

Flame-retardant according IEC 60332-1-2  
Good chemical resistance, see catalogue appendix T1

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## Norm references / Approvals

VDE reg. no. 7030

## Product Make-up

Fine-wire strand made of bare copper wires

PVC insulation LAPP P8/1

Cores twisted in layers

PVC inner sheath, grey

Braid of galvanized steel wires

PVC outer sheath, transparent

## Technical Data

Classification:

ETIM 5.0 Class-ID: EC000104

ETIM 5.0 Class-Description: Control cable

Core identification code:

Black with white numbers acc. to VDE 0293-1

Conductor stranding:

Fine wire according to VDE 0295,  
class 5/IEC 60228 class 5

Minimum bending radius:

Occasional flexing: 20 x outer diameter

Fixed installation: 6 x outer diameter

Nominal voltage:

U<sub>0</sub>/U: 300/500 V

Test voltage:

4000 V

Protective conductor:

G = with GN-YE protective conductor

X = without protective conductor

Temperature range:

Occasional flexing: -5°C to +70°C

Fixed installation: -40°C to +80°C

## Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

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## PRODUCT INFORMATION

| Article number         | Number of cores and mm² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|------------------------|---------------------------------------|---------------------|----------------------|----------------|
| ÖLFLEX® CLASSIC 110 SY |                                       |                     |                      |                |
| 1125752                | 2 X 0.5                               | 7.8                 | 10                   | 87             |
| 1125003                | 3 G 0.5                               | 8.1                 | 15                   | 95             |
| 1125004                | 4 G 0.5                               | 8.5                 | 19.2                 | 107            |
| 1125005                | 5 G 0.5                               | 9.2                 | 24                   | 123            |
| 1125007                | 7 G 0.5                               | 9.7                 | 33.6                 | 147            |
| 1125010                | 10 G 0.5                              | 11.6                | 48                   | 196            |
| 1125012                | 12 G 0.5                              | 11.9                | 58                   | 213            |
| 1125014                | 14 G 0.5                              | 12.5                | 67                   | 237            |
| 1125018                | 18 G 0.5                              | 13.9                | 86.4                 | 291            |
| 1125021                | 21 G 0.5                              | 14.9                | 101                  | 332            |
| 1125025                | 25 G 0.5                              | 15.6                | 120                  | 375            |
| 1125030                | 30 G 0.5                              | 16.5                | 144                  | 422            |
| 1125040                | 40 G 0.5                              | 18.8                | 192                  | 545            |
| 1125061                | 61 G 0.5                              | 21.9                | 293                  | 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                   | 146            |
| 1125107                | 7 G 0.75                              | 10.3                | 50                   | 172            |
| 1125109                | 9 G 0.75                              | 12.4                | 65                   | 224            |
| 1125112                | 12 G 0.75                             | 12.9                | 86                   | 260            |
| 1125115                | 15 G 0.75                             | 14.1                | 108                  | 315            |
| 1125118                | 18 G 0.75                             | 14.9                | 130                  | 355            |
| 1125125                | 25 G 0.75                             | 17                  | 180                  | 465            |
| 1125134                | 34 G 0.75                             | 19.3                | 245                  | 596            |
| 1125150                | 50 G 0.75                             | 22.8                | 360                  | 832            |
| 1125852                | 2 X 1                                 | 8.5                 | 19.2                 | 106            |
| 1125203                | 3 G 1                                 | 8.8                 | 28.8                 | 119            |
| 1125204                | 4 G 1                                 | 9.5                 | 38.4                 | 141            |
| 1125205                | 5 G 1                                 | 10.1                | 48                   | 164            |
| 1125207                | 7 G 1                                 | 11                  | 67                   | 200            |
| 1125208                | 8 G 1                                 | 12.5                | 77                   | 234            |
| 1125209                | 9 G 1                                 | 13.2                | 86                   | 260            |
|                        |                                       |                     |                      |                |

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## PRODUCT INFORMATION

| Article number | Number of cores and mm² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|----------------|---------------------------------------|---------------------|----------------------|----------------|
| 1125212        | 12 G 1                                | 13.9                | 115                  | 309            |
| 1125214        | 14 G 1                                | 14.4                | 134                  | 345            |
| 1125218        | 18 G 1                                | 15.9                | 173                  | 415            |
| 1125220        | 20 G 1                                | 16.8                | 192                  | 455            |
| 1125225        | 25 G 1                                | 18.1                | 240                  | 548            |
| 1125234        | 34 G 1                                | 20.5                | 326                  | 714            |
| 1125241        | 41 G 1                                | 22.2                | 394                  | 832            |
| 1125250        | 50 G 1                                | 24.2                | 480                  | 987            |
| 1125902        | 2 X 1.5                               | 9.3                 | 29                   | 128            |
| 1125303        | 3 G 1.5                               | 9.7                 | 43                   | 151            |
| 1125304        | 4 G 1.5                               | 10.2                | 58                   | 173            |
| 1125305        | 5 G 1.5                               | 11.1                | 72                   | 202            |
| 1125307        | 7 G 1.5                               | 11.9                | 101                  | 248            |
| 1125308        | 8 G 1.5                               | 14                  | 115                  | 301            |
| 1125312        | 12 G 1.5                              | 15.4                | 173                  | 396            |
| 1125314        | 14 G 1.5                              | 15.9                | 202                  | 438            |
| 1125318        | 18 G 1.5                              | 17.6                | 259                  | 538            |
| 1125325        | 25 G 1.5                              | 20.3                | 360                  | 713            |
| 1125332        | 32 G 1.5                              | 22.1                | 461                  | 876            |
| 1125350        | 50 G 1.5                              | 27.1                | 720                  | 1305           |
| 1125403        | 3 G 2.5                               | 11.1                | 72                   | 206            |
| 1125404        | 4 G 2.5                               | 12.1                | 96                   | 249            |
| 1125405        | 5 G 2.5                               | 13.2                | 120                  | 295            |
| 1125407        | 7 G 2.5                               | 14.3                | 168                  | 373            |
| 1125412        | 12 G 2.5                              | 18.2                | 288                  | 586            |
| 1125418        | 18 G 2.5                              | 21.4                | 432                  | 823            |
| 1125425        | 25 G 2.5                              | 24.4                | 600                  | 1093           |
| 1125503        | 3 G 4                                 | 12.7                | 115                  | 285            |
| 1125504        | 4 G 4                                 | 14                  | 154                  | 348            |
| 1125505        | 5 G 4                                 | 15.1                | 192                  | 410            |
| 1125507        | 7 G 4                                 | 16.4                | 269                  | 519            |
| 1125604        | 4 G 6                                 | 16.2                | 230                  | 482            |
| 1125605        | 5 G 6                                 | 17.7                | 288                  | 579            |
| 1125607        | 7 G 6                                 | 19.2                | 403                  | 740            |
|                |                                       |                     |                      |                |

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| Article number | Number of cores and mm <sup>2</sup> per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|----------------|---------------------------------------------------|---------------------|----------------------|----------------|
| 1125614        | 4 G 10                                            | 19.4                | 384                  | 731            |
| 1125615        | 5 G 10                                            | 21.5                | 480                  | 889            |
| 1125617        | 7 G 10                                            | 23.4                | 672                  | 1146           |
| 1125624        | 4 G 16                                            | 22.4                | 614                  | 1384           |
| 1125625        | 5 G 16                                            | 24.6                | 768                  | 1740           |
| 1125626        | 4 G 25                                            | 26.9                | 960                  | 1680           |
| 1125630        | 5 G 25                                            | 30                  | 1200                 | 2050           |
| 1125629        | 4 G 35                                            | 30.2                | 1344                 | 2170           |