

## ÖLFLEX® CLASSIC 115 CH

Screened halogen-free control cable, oil resistant, very flexible and space-saving

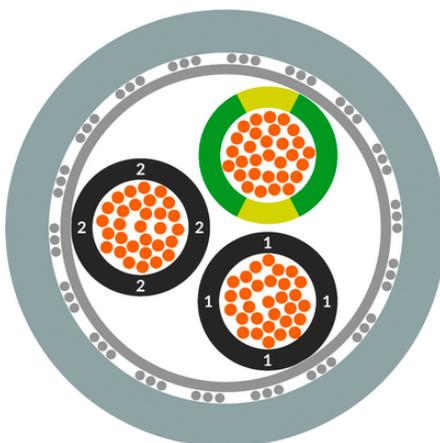
ÖLFLEX® CLASSIC 115 CH - halogen-free control cable, HFFR, oil-resistant, screened, cold-resistant and space-saving for various applications,  $U_0/U$ : 300/500V

### Info

CPR: Article number choice under [www.lappkabel.com/cpr](http://www.lappkabel.com/cpr)

High flexibility and oil-resistance

Thin and light, without inner sheath



Suitable for outdoor use



Good chemical resistance



Flame-retardant



Halogen-free



Cold-resistant



Oil-resistant



Interference signals



UV-resistant

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### Benefits

Note: for the use of AWM (Appliance Wiring Material) cables in industrial machinery (USA) according to NFPA 79: please see the catalogue appendix table T29

Easy handling and installation due to very flexible cable type

Wide application range due to excellent product features

Halogen-free and highly flame-retardant materials reduce the risk of fire propagation, high smoke density and toxic fumes in case of fire

Copper shielding protects against electromagnetic interference

### Application range

Public buildings like airports or railway stations

Plant engineering

Industrial machinery

Heating and air-conditioning systems

Particularly where human and animal life as well as valuable property are exposed to high risk of fire hazards

Intended for use under the European Construction Product Regulation (CPR), refer to catalogue appendix T14

Suitable for outdoor use, taking into account the temperature range.

### Product features

Flame-retardant according to IEC 60332-1-2

(flame spread on a single cable)

No flame-propagation according to IEC 60332-3-24 respectively IEC 60332-3-25 (Flame spread on vertical cable or wire bundle)

UL Cable Flame Test

Halogen-free according to IEC 60754-1

(amount of halogen acid gas)

Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)

Low smoke density according to IEC 61034-2

Oil-resistant according to EN 50363-4-1 (TM5)

and UL OIL RES I and UL OIL RES II

UV and weather-resistant according to ISO 4892-2

Ozone-resistant according to EN 50396

### Norm references / Approvals

UL AWM style 21089

Based on EN 50525-3-11

Based on EN 50525-2-51

### Product Make-up

Fine-wire strand made of bare copper wires

Core insulation: Halogen-free

Cores twisted in layers

Wrapping: Halogen-free plastic foil

Tinned-copper braiding

Outer sheath: Special halogen-free compound, grey (similar to RAL 7001)

### Technical Data

Classification ETIM 5:

ETIM 5.0 Class-ID: EC000104

ETIM 5.0 Class-Description: Control cable

Classification ETIM 6:

ETIM 6.0 Class-ID: EC000104

ETIM 6.0 Class-Description: Control cable

Core identification code:

Black with white numbers acc. to VDE 0293-334

Conductor stranding:

Fine wire according to VDE 0295,

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## ÖLFLEX® CLASSIC 115 CH

|                         |  |
|-------------------------|--|
| Minimum bending radius: | class 5/IEC 60228 class 5<br>Occasional flexing: 15 x outer diameter<br>Fixed installation: 6 x outer diameter |
| Nominal voltage:        | U0/U: 300/500 V<br>UL: 600 V   |
| Test voltage:           | 4000 V   |
| Protective conductor:   | G = with GN-YE protective conductor<br>X = without protective conductor  |
| Temperature range:      | Occasional flexing: -30 °C to +70 °C (UL: +75 °C)<br>Fixed installation: -40 °C to +80 °C (UL: +75 °C)         |

### Note

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

Copper price basis: EUR 150/100 kg. 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](http://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).

Single lengths for sizes: ≥ 4G50 max. 500 m

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

Prices are net prices without VAT and surcharges. Sale to business customers only.



## ÖLFLEX® CLASSIC 115 CH

| Article number | Number of cores and mm <sup>2</sup> per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 10036001       | 2 X 0.5   | 5.9                 | 36                   | 56             |
| 10036002       | 3 G 0.5   | 6.2                 | 43                   | 67             |
| 10036003       | 3 X 0.5   | 6.2                 | 43                   | 67             |
| 10036004       | 4 G 0.5   | 6.6                 | 49                   | 78             |
| 10036005       | 4 X 0.5   | 6.6                 | 49                   | 78             |
| 10036006       | 5 G 0.5   | 7.1                 | 57                   | 91             |
| 10036007       | 7 G 0.5   | 7.7                 | 69                   | 110            |
| 10036008       | 12 G 0.5  | 10.1                | 104                  | 177            |
| 10036009       | 2 X 0.75  | 6.3                 | 43                   | 65             |
| 10036010       | 3 G 0.75  | 6.6                 | 52                   | 77             |
| 10036011       | 3 X 0.75  | 6.6                 | 52                   | 77             |
| 10036012       | 4 G 0.75  | 7.1                 | 61                   | 92             |
| 10036013       | 4 X 0.75  | 7.1                 | 61                   | 92             |
| 10036014       | 5 G 0.75  | 7.9                 | 72                   | 111            |
| 10036015       | 5 X 0.75  | 7.9                 | 72                   | 111            |
| 10036016       | 7 G 0.75  | 8.5                 | 89                   | 138            |
| 10036017       | 7 X 0.75  | 8.5                 | 89                   | 138            |
| 10036018       | 12 G 0.75   | 11.1                | 138                  | 220            |
| 10036019       | 18 G 0.75   | 13.0                | 211                  | 312            |
| 10036020       | 25 G 0.75   | 15.1                | 280                  | 417            |
| 10036021       | 2 X 1.0   | 6.6                 | 51                   | 73             |
| 10036022       | 3 G 1.0   | 6.9                 | 62                   | 89             |
| 10036023       | 3 X 1.0   | 6.9                 | 62                   | 89             |
| 10036024       | 4 G 1.0   | 7.4                 | 74                   | 107            |
| 10036025       | 4 X 1.0   | 7.4                 | 74                   | 107            |
| 10036026       | 5 G 1.0   | 8.3                 | 88                   | 131            |
| 10036027       | 7 G 1.0   | 8.9                 | 112                  | 159            |
| 10036028       | 12 G 1.0  | 11.7                | 185                  | 263            |
| 10036029       | 18 G 1.0  | 14.1                | 268                  | 378            |
| 10036030       | 25 G 1.0  | 16.2                | 354                  | 508            |
| 10036031       | 41 G 1.0  | 20.6                | 547                  | 834            |
| 10036032       | 2 X 1.5   | 7.2                 | 65                   | 87             |
| 10036033       | 3 G 1.5   | 7.6                 | 82                   | 108            |
| 10036034       | 3 X 1.5   | 7.6                 | 82                   | 108            |

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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) |
|----------------|---|---------------------|----------------------|----------------|
| 10036035       | 4 G 1.5   | 8.4                 | 100                  | 136            |
| 10036036       | 5 G 1.5   | 9.1                 | 119                  | 162            |
| 10036037       | 7 G 1.5   | 10.0                | 154                  | 204            |
| 10036038       | 12 G 1.5  | 13.4                | 268                  | 340            |
| 10036039       | 18 G 1.5  | 15.8                | 373                  | 492            |
| 10036040       | 25 G 1.5  | 18.2                | 530                  | 654            |
| 10036041       | 3 G 2.5   | 9.1                 | 118                  | 157            |
| 10036042       | 4 G 2.5   | 10.0                | 147                  | 198            |
| 10036043       | 5 G 2.5   | 11.1                | 176                  | 245            |
| 10036044       | 7 G 2.5   | 12.0                | 253                  | 307            |
| 10036045       | 12 G 2.5  | 16.3                | 385                  | 524            |
| 10036046       | 4 G 4.0   | 11.8                | 248                  | 284            |
| 10036047       | 5 G 4.0   | 13.3                | 269                  | 368            |
| 10036048       | 7 G 4.0   | 14.6                | 371                  | 448            |
| 10036049       | 4 G 6.0   | 14.2                | 343                  | 406            |
| 10036050       | 5 G 6.0   | 15.5                | 441                  | 522            |
| 10036051       | 7 G 6.0   | 17.0                | 510                  | 637            |
| 10036052       | 4 G 10.0  | 17.2                | 495                  | 656            |
| 10036053       | 5 G 10.0  | 19.5                | 592                  | 865            |
| 10036054       | 4 G 16.0  | 20.2                | 736                  | 972            |
| 10036055       | 5 G 16.0  | 22.6                | 895                  | 1249           |
| 10036056       | 4 G 25.0  | 25.1                | 1129                 | 1482           |
| 10036057       | 5 G 25.0  | 28.0                | 1400                 | 1906           |
| 10036058       | 4 G 35.0  | 28.2                | 1546                 | 1971           |
| 10036059       | 5 G 35.0  | 31.4                | 1912                 | 2529           |
| 10036060       | 4 G 50.0  | 34.0                | 2186                 | 2713           |
| 10036061       | 4 G 70.0  | 39.0                | 3011                 | 3709           |

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