

ÖLFLEX® CLASSIC 110 CH

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

ÖLFLEX® CLASSIC 110 CH - halogen-free control cable, HFFR, oil-resistant, screened and cold-resistant for various applications, U₀/U: 300/500V

Info

CPR: Article number choice under www.lappkabel.com/cpr

High flexibility and oil-resistance

Items with higher cross-sections on request



UV-resistant



Interference signals



Oil-resistant



Halogen-free



Good chemical resistance



Flame-retardant



Cold-resistant

Last Update (09.02.2018)

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

ÖLFLEX® CLASSIC 110 CH

Benefits

Easy handling and installation due to very flexible cable type
Wide application range due to excellent product features
Certified for maritime applications

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

Note: for the use of AWM (Appliance Wiring Material) cables in industrial machinery (USA) according to NFPA 79 Ed. 2015: please see the catalogue appendix table T29

Product features

Flame-retardant according to IEC 60332-1-2

(flame spread on a single cable)

No flame-propagation according to IEC 60332-3-22 and 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

Germanischer Lloyd (GL)

certificate no. 11 119-14 HH

Product Make-up

Fine-wire strand made of bare copper wires

Core insulation: Halogen-free

Cores twisted in layers

Halogen-free inner sheath, grey

Tinned-copper braiding

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

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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 0293-1 |
| Conductor stranding: | Fine wire according to VDE 0295, class 5/IEC 60228 class 5 |
| Minimum bending radius: | Occasional flexing: 15 x outer diameter Fixed installation: 6 x outer diameter |
| Nominal voltage: | U0/U: 300/500 V UL: 600 V |
| Test voltage: | 4000 V |
| Protective conductor: | G = with GN-YE protective conductor X = without protective conductor |
| Temperature range: | Occasional flexing: -30°C to +70°C (UL: +75°C) 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

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.



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PRODUCT INFORMATION

ÖLFLEX® CLASSIC 110 CH

| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|--|---|---------------------|----------------------|----------------|
| ÖLFLEX® CLASSIC 110 CH U0/U: 300/500 V | | | | |
| 10035030 | 2 X 0.5 | 7.1 | 29.1 | 85 |
| 10035031 | 3 G 0.5 | 7.4 | 35.1 | 95 |
| 10035032 | 3 X 0.5 | 7.4 | 35.1 | 95 |
| 10035033 | 4 G 0.5 | 8 | 41.4 | 111 |
| 10035034 | 4 X 0.5 | 8 | 41.4 | 111 |
| 10035035 | 5 G 0.5 | 8.6 | 48 | 126 |
| 10035036 | 7 G 0.5 | 9.1 | 59.9 | 148 |
| 10035037 | 12 G 0.5 | 11.5 | 91.4 | 226 |
| 10035040 | 2 X 0.75 | 7.7 | 35.4 | 101 |
| 10035041 | 3 G 0.75 | 8 | 43.8 | 114 |
| 10035042 | 3 X 0.75 | 8 | 43.8 | 114 |
| 10035043 | 4 G 0.75 | 8.5 | 52.8 | 130 |
| 10035044 | 4 X 0.75 | 8.5 | 52.8 | 130 |
| 10035045 | 5 G 0.75 | 9.3 | 62.3 | 153 |
| 10035046 | 5 X 0.75 | 9.3 | 62.3 | 153 |
| 10035047 | 7 G 0.75 | 9.9 | 79.5 | 183 |
| 10035048 | 7 X 0.75 | 9.9 | 79.5 | 183 |
| 10035050 | 12 G 0.75 | 12.5 | 123.2 | 280 |
| 10035051 | 18 G 0.75 | 14.8 | 188.6 | 399 |
| 10035052 | 25 G 0.75 | 16.9 | 247.5 | 522 |
| 10035055 | 2 X 1 | 8 | 41.4 | 112 |
| 10035056 | 3 G 1 | 8.4 | 52.1 | 127 |
| 10035057 | 3 X 1 | 8.4 | 52.1 | 127 |
| 10035058 | 4 G 1 | 8.9 | 73.5 | 157 |
| 10035059 | 4 X 1 | 8.9 | 73.5 | 157 |
| 10035060 | 5 G 1 | 9.7 | 83.2 | 171 |
| 10035061 | 7 G 1 | 10.3 | 97.2 | 210 |
| 10035062 | 12 G 1 | 13.6 | 168.7 | 347 |
| 10035063 | 18 G 1 | 15.7 | 235.4 | 474 |
| 10035064 | 25 G 1 | 17.8 | 312 | 611 |
| 10035065 | 41 G 1 | 22.4 | 508 | 969 |
| 10035067 | 2 X 1.5 | 8.6 | 53.2 | 134 |
| 10035068 | 3 G 1.5 | 9 | 69.1 | 155 |

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Electroustic Ltd

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| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 10035069 | 3 X 1.5 | 9 | 69.1 | 155 |
| 10035070 | 4 G 1.5 | 9.8 | 85.8 | 186 |
| 10035071 | 5 G 1.5 | 10.5 | 102.8 | 215 |
| 10035072 | 7 G 1.5 | 11.4 | 134.2 | 269 |
| 10035073 | 12 G 1.5 | 15 | 232.8 | 445 |
| 10035074 | 18 G 1.5 | 17.4 | 327.8 | 610 |
| 10035075 | 25 G 1.5 | 20.4 | 463.2 | 843 |
| 10035089 | 3 G 2.5 | 10.5 | 102.8 | 220 |
| 10035090 | 4 G 2.5 | 11.4 | 129.4 | 265 |
| 10035091 | 5 G 2.5 | 12.7 | 157.5 | 322 |
| 10035092 | 7 G 2.5 | 14 | 223 | 422 |
| 10035093 | 12 G 2.5 | 17.9 | 360.5 | 659 |
| 10035094 | 4 G 4 | 13.6 | 207.6 | 390 |
| 10035095 | 5 G 4 | 14.9 | 251.5 | 463 |
| 10035096 | 7 G 4 | 16.2 | 333.9 | 588 |
| 10035097 | 4 G 6 | 15.8 | 294.8 | 516 |
| 10035098 | 5 G 6 | 17.3 | 356.1 | 616 |
| 10035099 | 7 G 6 | 18.8 | 479.3 | 792 |
| 10035380 | 4 G 10 | 19.1 | 461.1 | 789 |
| 10035381 | 5 G 10 | 21.4 | 586.6 | 998 |
| 10035382 | 4 G 16 | 22.3 | 727.6 | 1154 |
| 10035383 | 5 G 16 | 24.5 | 888.7 | 1389 |
| 10035384 | 4 G 25 | 27 | 1,123.9 | 1807 |
| 10035386 | 4 G 35 | 30.4 | 1,529.2 | 2321 |

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