

ÖLFLEX® CLASSIC 130 H

Halogen-free control cable with improved fire characteristics

ÖLFLEX® CLASSIC 130 H - halogen-free control cable, HFFR and flexible for various applications, U_0/U : 300/500V

Info

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

For use within public buildings and industrial plants



Flame-retardant



Halogen-free

Benefits

Easy handling and installation due to flexible design

Certified for maritime applications

Application range

Public buildings like airports or railway stations

Plant engineering, Industrial machinery

Heating and air-conditioning systems

Stage applications

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

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

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)

Halogen-free according to IEC 60754-1

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(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

Norm references / Approvals

UL AWM style 21217

Based on EN 50525-3-11

Based on EN 50525-2-51

DNV GL certificate no. TAE00002RJ

Product Make-up

Fine-wire strand made of bare copper wires

Core insulation: Halogen-free

Cores twisted in layers

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, class 5/IEC 60228 class 5 |
| Minimum bending radius: | Occasional flexing: 15 x outer diameter Fixed installation: 4 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: -25 °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).

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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| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|-----------------------|---|---------------------|----------------------|----------------|
| ÖLFLEX® CLASSIC 130 H | | | | |
| 1123000 | 2 X 0.5 | 5.1 | 9.6 | 36 |
| 1123001 | 3 G 0.5 | 5.4 | 14.4 | 42 |
| 1123002 | 3 X 0.5 | 5.4 | 14.4 | 42 |
| 1123003 | 4 G 0.5 | 5.8 | 19.2 | 55 |
| 1123004 | 4 X 0.5 | 5.8 | 19.2 | 55 |
| 1123005 | 5 G 0.5 | 6.3 | 24 | 65 |
| 1123006 | 5 X 0.5 | 6.3 | 24 | 65 |
| 1123008 | 7 G 0.5 | 6.9 | 33.6 | 80 |
| 1123009 | 7 X 0.5 | 6.9 | 33.6 | 80 |
| 1123010 | 8 G 0.5 | 8.2 | 38.4 | 103 |
| 1123012 | 10 G 0.5 | 8.8 | 48 | 112 |
| 1123013 | 12 G 0.5 | 9.1 | 57.6 | 128 |
| 1123017 | 18 G 0.5 | 10.8 | 86.4 | 189 |
| 1123020 | 25 G 0.5 | 12.7 | 120 | 260 |
| 1123021 | 30 G 0.5 | 13.6 | 144 | 294 |
| 1123032 | 2 X 0.75 | 5.5 | 14.4 | 47 |
| 1123033 | 3 G 0.75 | 5.8 | 21.6 | 56 |
| 1123034 | 3 X 0.75 | 5.8 | 21.6 | 56 |
| 1123035 | 4 G 0.75 | 6.3 | 28.8 | 69 |
| 1123036 | 4 X 0.75 | 6.3 | 28.8 | 69 |
| 1123037 | 5 G 0.75 | 6.9 | 36 | 83 |
| 1123038 | 5 X 0.75 | 6.9 | 36 | 83 |
| 1123041 | 7 G 0.75 | 7.5 | 50.4 | 104 |
| 1123042 | 7 X 0.75 | 7.5 | 50.4 | 104 |
| 1123046 | 10 G 0.75 | 9.8 | 72 | 149 |
| 1123047 | 12 G 0.75 | 10.1 | 86.4 | 172 |
| 1123048 | 12 X 0.75 | 10.1 | 86.4 | 172 |
| 1123051 | 18 G 0.75 | 12 | 129.6 | 252 |
| 1123054 | 25 G 0.75 | 14.1 | 180 | 352 |
| 1123056 | 34 G 0.75 | 16.3 | 244.8 | 466 |
| 1123066 | 2 X 1.0 | 5.8 | 19.2 | 55 |
| 1123067 | 3 G 1.0 | 6.1 | 28.8 | 67 |
| 1123068 | 3 X 1.0 | 6.1 | 28.8 | 67 |

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| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 1123069 | 4 G 1.0 | 6.6 | 38.4 | 83 |
| 1123070 | 4 X 1.0 | 6.6 | 38.4 | 83 |
| 1123071 | 5 G 1.0 | 7.3 | 48 | 100 |
| 1123072 | 5 X 1.0 | 7.3 | 48 | 100 |
| 1123074 | 7 G 1.0 | 8.1 | 67.2 | 130 |
| 1123075 | 7 X 1.0 | 8.1 | 67.2 | 130 |
| 1123076 | 8 G 1.0 | 9.7 | 76.8 | 164 |
| 1123078 | 10 G 1.0 | 10.4 | 96 | 183 |
| 1123080 | 12 G 1.0 | 10.7 | 115.2 | 212 |
| 1123081 | 12 X 1.0 | 10.7 | 115.2 | 212 |
| 1123083 | 16 G 1.0 | 12.1 | 153.6 | 275 |
| 1123084 | 18 G 1.0 | 12.9 | 172.8 | 314 |
| 1123090 | 25 G 1.0 | 15 | 240 | 429 |
| 1123094 | 34 G 1.0 | 17.5 | 326.4 | 570 |
| 1123106 | 2 X 1.5 | 6.4 | 28.8 | 72 |
| 1123107 | 3 G 1.5 | 6.8 | 43.2 | 88 |
| 1123108 | 3 X 1.5 | 6.8 | 43.2 | 88 |
| 1123109 | 4 G 1.5 | 7.4 | 57.6 | 110 |
| 1123110 | 4 X 1.5 | 7.4 | 57.6 | 110 |
| 1123111 | 5 G 1.5 | 8.3 | 72 | 135 |
| 1123112 | 5 X 1.5 | 8.3 | 72 | 135 |
| 1123114 | 7 G 1.5 | 9 | 100.8 | 174 |
| 1123115 | 7 X 1.5 | 9 | 100.8 | 174 |
| 1123116 | 8 G 1.5 | 10.8 | 115.2 | 223 |
| 1123118 | 10 G 1.5 | 11.8 | 144 | 250 |
| 1123120 | 12 G 1.5 | 12.2 | 172.8 | 289 |
| 1123124 | 18 G 1.5 | 14.6 | 259.2 | 433 |
| 1123128 | 25 G 1.5 | 17.2 | 360 | 596 |
| 1123130 | 34 G 1.5 | 19.8 | 489.6 | 786 |
| 1123139 | 2 X 2.5 | 7.6 | 48 | 110 |
| 1123140 | 3 G 2.5 | 8.3 | 72 | 137 |
| 1123142 | 4 G 2.5 | 9 | 96 | 174 |
| 1123144 | 5 G 2.5 | 10.1 | 120 | 217 |
| 1123146 | 7 G 2.5 | 11.2 | 168 | 283 |

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| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 1123149 | 12 G 2.5 | 15.1 | 288 | 467 |
| 1123151 | 18 G 2.5 | 18 | 432 | 696 |
| 1123153 | 25 G 2.5 | 21.1 | 600 | 969 |
| 1123159 | 3 G 4.0 | 9.8 | 115.2 | 213 |
| 1123160 | 4 G 4.0 | 10.8 | 153.6 | 267 |
| 1123161 | 5 G 4.0 | 12.1 | 192 | 331 |
| 1123162 | 7 G 4.0 | 13.4 | 268.8 | 432 |
| 1123166 | 3 G 6.0 | 11.7 | 172.8 | 303 |
| 1123167 | 4 G 6.0 | 13 | 230.4 | 388 |
| 1123168 | 5 G 6.0 | 14.5 | 288 | 480 |
| 1123169 | 7 G 6.0 | 16 | 403.2 | 626 |
| 1123172 | 4 G 10.0 | 16.2 | 384 | 601 |
| 1123173 | 5 G 10.0 | 18.1 | 480 | 735 |
| 1123177 | 4 G 16.0 | 18.8 | 614.4 | 917 |
| 1123178 | 5 G 16.0 | 21.2 | 768 | 1148 |
| 1123181 | 4 G 25.0 | 23.5 | 960 | 1418 |
| 1123182 | 5 G 25.0 | 26.4 | 1200 | 1769 |
| 1123185 | 4 G 35.0 | 26.6 | 1344 | 1905 |

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