



ÖLFLEX® CLASSIC 130 H

Halogen-free control cable with improved fire characteristics

Info

- CPR: Article number choice under www.lappkabel.com/cpr
- For use within public buildings and industrial plants



Benefits

- Easy 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 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)

- 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

- Norm references / Approvals**
- UL AWM approval: refer to data sheet
 - Based on EN 50525-3-11
 - Based on EN 50525-2-51
 - Germanischer Lloyd (GL) certificate no. 11 120-14 HH
 - UV resistance acc. to EN 50620 resp. VDE 0285-620 acc. to EN ISO 4892-2-2013, method A (change of color allowed)
 - Ozone resistance acc. to EN 50396 resp. VDE 0473-396, method B

- 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 5/6**
ETIM 5.0/6.0 Class-ID: EC000104
ETIM 5.0/6.0 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: 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)

| 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 | 12.0 | 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 |
| 1123069 | 4 G 1.0 | 6.6 | 38.4 | 83 |
| 1123070 | 4 X 1.0 | 6.6 | 38.4 | 83 |

| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 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 | 15.0 | 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 | 9.0 | 100.8 | 174 |
| 1123115 | 7 X 1.5 | 9.0 | 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 | 9.0 | 96 | 174 |
| 1123144 | 5 G 2.5 | 10.1 | 120 | 217 |
| 1123146 | 7 G 2.5 | 11.2 | 168 | 283 |
| 1123149 | 12 G 2.5 | 15.1 | 288 | 467 |
| 1123151 | 18 G 2.5 | 18.0 | 432 | 696 |
| 1123153 | 25 G 2.5 | 21.1 | 600 | 969 |
| 1123159 | 3 G 4 | 9.8 | 115.2 | 213 |

| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 1123160 | 4 G 4 | 10.8 | 153.6 | 267 |
| 1123161 | 5 G 4 | 12.1 | 192 | 331 |
| 1123162 | 7 G 4 | 13.4 | 268.8 | 432 |
| 1123166 | 3 G 6 | 11.7 | 172.8 | 303 |
| 1123167 | 4 G 6 | 13.0 | 230.4 | 388 |
| 1123168 | 5 G 6 | 14.5 | 288 | 480 |
| 1123169 | 7 G 6 | 16.0 | 403.2 | 626 |

| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 1123172 | 4 G 10 | 16.2 | 384 | 601 |
| 1123173 | 5 G 10 | 18.1 | 480 | 735 |
| 1123177 | 4 G 16 | 18.8 | 614.4 | 917 |
| 1123178 | 5 G 16 | 21.2 | 768 | 1148 |
| 1123181 | 4 G 25 | 23.5 | 960 | 1418 |
| 1123182 | 5 G 25 | 26.4 | 1200 | 1769 |
| 1123185 | 4 G 35 | 26.6 | 1344 | 1905 |

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.

Similar products

- ÖLFLEX® CLASSIC 130 H BK 0,6/1 kV refer to page 66

Accessories

- SKINTOP® ST-HF-M refer to page 693



ÖLFLEX® CLASSIC 135 CH

Screened halogen-free control cable with improved fire characteristics



Info

- CPR: Article number choice under www.lappkabel.com/cpr
- For use within public buildings and industrial plants

Benefits

- Easy installation due to flexible design
- Space-saving installation due to small cable diameters
- 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
- In EMC-sensitive environments (electromagnetic compatibility)
- 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)
- 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

Norm references / Approvals

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- Germanischer Lloyd (GL) certificate no. 11 120-14 HH

Product Make-up

- Fine-wire strand made of bare copper wires
- Core insulation: Halogen-free
- Cores twisted in layers
- Halogen-free plastic foil wrapping
- Tinned-copper braiding
- Outer sheath: Special halogen-free compound, grey (similar to RAL 7001)

Technical data

- Classification ETIM 5/6**
ETIM 5.0/6.0 Class-ID: EC000104
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- 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**
U0/U: 300/500 V
UL: 600 V
- Test voltage**
Core/core: 4000 V
Core/screen: 2000 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)