# 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
New: Extended application range
GL certified and cold flexible down to -25°C



Halogen-free

Flame-retardant

**Benefits**
Easy installation due to flexible design
Certified for maritime applications
Substitutes ÖLFLEX® 120 H

**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

Last Update (30.10.2017)
©2017 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

# ÖLFLEX® CLASSIC 130 H

## 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
UL Cable Flame Test

## Norm references / Approvals

UL AWM style 21089
Based on EN 50525-3-11
Based on EN 50525-2-51
Germanischer Lloyd (GL)
certificate no. 11 120-14 HH

## 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 5.0 Class-ID: EC000104<br>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,<br>class 5/IEC 60228 class 5 |
| Minimum bending radius: | Occasional flexing: 15 x outer diameter<br>Fixed installation: 4 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: -25°C to +70°C (UL: +75°C)<br>Fixed installation: -40°C to +80°C (UL: +75°C) |


©2017 Lapp Group - Technical changes reserved

# ÖLFLEX® CLASSIC 130 H

**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 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.

Last Update (30.10.2017)
©2017 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

LAPP GROUP

PRODUCT INFORMATION

# ÖLFLEX® CLASSIC 130 H

| Article number | Number of cores and mm² 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 | 5.8 | 19.2 | 55 |
| 1123067 | 3 G 1 | 6.1 | 28.8 | 67 |
| 1123068 | 3 X 1 | 6.1 | 28.8 | 67 |
| | | | | |

Last Update (30.10.2017)
©2017 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

LAPP GROUP

PRODUCT INFORMATION

# ÖLFLEX® CLASSIC 130 H

| Article number | Number of cores and mm² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|---|---|---|---|---|
| 1123069 | 4 G 1 | 6.6 | 38.4 | 83 |
| 1123070 | 4 X 1 | 6.6 | 38.4 | 83 |
| 1123071 | 5 G 1 | 7.3 | 48 | 100 |
| 1123072 | 5 X 1 | 7.3 | 48 | 100 |
| 1123074 | 7 G 1 | 8.1 | 67.2 | 130 |
| 1123075 | 7 X 1 | 8.1 | 67.2 | 130 |
| 1123076 | 8 G 1 | 9.7 | 76.8 | 164 |
| 1123078 | 10 G 1 | 10.4 | 96 | 183 |
| 1123080 | 12 G 1 | 10.7 | 115.2 | 212 |
| 1123081 | 12 X 1 | 10.7 | 115.2 | 212 |
| 1123083 | 16 G 1 | 12.1 | 153.6 | 275 |
| 1123084 | 18 G 1 | 12.9 | 172.8 | 314 |
| 1123090 | 25 G 1 | 15 | 240 | 429 |
| 1123094 | 34 G 1 | 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 |
| | | | | |

Last Update (30.10.2017)
©2017 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

LAPP GROUP

PRODUCT INFORMATION

# ÖLFLEX® CLASSIC 130 H

| Article number | Number of cores and mm² 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 | 9.8 | 115.2 | 213 |
| 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 | 230.4 | 388 |
| 1123168 | 5 G 6 | 14.5 | 288 | 480 |
| 1123169 | 7 G 6 | 16 | 403.2 | 626 |
| 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 |

Last Update (30.10.2017)
©2017 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16