

ÖLFLEX® CLASSIC 100 H

Halogen-free power and control cable, oil resistant and very flexible

ÖLFLEX® CLASSIC 100 H - halogen-free flexible cable, HFFR and oil-resistant. Power and control cable for various applications, CPR, nominal voltage 450/750V

Info

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



-  Flame-retardant
-  Halogen-free
-  Cold-resistant
-  Oil-resistant
-  Torsion-resistant

Benefits

Easy handling and installation due to very flexible cable type

Wide application range due to excellent product features

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

Last Update (05.05.2021)

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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

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Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)

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)

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

Ozone-resistant according to EN 50396

Norm references / Approvals

Based on IEC 60227-5 and EN 50525-2-51

Based on EN 50525-3-11

Product Make-up

Fine-wire strand made of bare copper wires

Core insulation: Halogen-free

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

Technical Data

| | |
|---------------------------|---|
| Classification ETIM 5: | ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable |
| Classification ETIM 6: | ETIM 6.0 Class-ID: EC001578 ETIM 6.0 Class-Description: Flexible cable |
| Core identification code: | Colours according to VDE 0293-308, refer to Appendix T9 |
| Conductor stranding: | Fine wire according to VDE 0295, class 5/IEC 60228 class 5 |
| Torsion movement in WTG: | TW-0 & TW-2, refer to Appendix T0 |
| Minimum bending radius: | Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter |
| Nominal voltage: | U0/U: 450/750 VAC In protected and fixed installations: U0/U: 600/1000 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 Fixed installation: -40 °C to +80 °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.

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Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil \leq 30 kg or \leq 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: \geq 4G50 max. 500 m; \geq 4G120 max. 400 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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| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 0014150 | 2 X 1.5 | 7.6 | 28.8 | 91 |
| 0014151 | 3 G 1.5 | 8.3 | 43.2 | 114 |
| 0014152 | 4 G 1.5 | 9 | 57.6 | 140 |
| 0014153 | 5 G 1.5 | 10.1 | 72 | 176 |
| 0014156 | 2 X 2.5 | 9 | 48 | 133 |
| 0014157 | 3 G 2.5 | 9.7 | 72 | 167 |
| 0014158 | 4 G 2.5 | 10.8 | 96 | 207 |
| 0014159 | 5 G 2.5 | 11.9 | 120 | 260 |
| 0014162 | 3 G 4.0 | 11.4 | 115.2 | 240 |
| 0014163 | 4 G 4.0 | 12.7 | 153.6 | 303 |
| 0014164 | 5 G 4.0 | 13.9 | 192 | 372 |
| 0014166 | 3 G 6.0 | 12.7 | 172.8 | 320 |
| 0014167 | 4 G 6.0 | 13.9 | 230.4 | 400 |
| 0014168 | 5 G 6.0 | 15.8 | 288 | 510 |
| 0014170 | 4 G 10.0 | 17.9 | 384 | 662 |
| 0014171 | 5 G 10.0 | 19.9 | 480 | 826 |
| 0014173 | 4 G 16.0 | 20.7 | 614.4 | 957 |
| 0014174 | 5 G 16.0 | 23 | 768 | 1193 |
| 0014176 | 4 G 25.0 | 25.4 | 960 | 1480 |
| 0014177 | 5 G 25.0 | 28.5 | 1200 | 1860 |
| 0014179 | 4 G 35.0 | 28.8 | 1344 | 1985 |
| 0014180 | 5 G 35.0 | 32.3 | 1680 | 2490 |
| 0014182 | 4 G 50.0 | 35 | 1920 | 2830 |
| 0014184 | 4 G 70.0 | 40 | 2688 | 3890 |
| 0014186 | 4 G 95.0 | 46 | 3648 | 5110 |
| 0014188 | 4 G 120.0 | 51 | 4608 | 6315 |

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