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
High flexibility and oil-resistance
For use within public buildings and industrial plants

- Suitable for outdoor use
- Flame-retardant
- Halogen-free
- Cold-resistant
- Oil-resistant
- Torsion-resistant
- UV-resistant

Benefits

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

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PN 0456 / 02_03.16

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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
Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)
Suitable for outdoor use, taking into account the temperature range.

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

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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; ≥ 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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PRODUCT INFORMATION

Article number	Number of cores and mm² 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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