ÖLFLEX® CLASSIC 130 H BK 0,6/1 kV

0.6/1kVAC, Halogen-free, Flexible, IEC 60332-3, IEC 61034-2, UV/ ozone resistance, UL AWM 1000V

ÖLFLEX® CLASSIC 130 H BK 0,6/1 kV Power and Control Cable UL AWM Style 21156, Conductor class 5, Halogen-free/ Highly Flame Retardant, Public buildings, Outdoor

Info

CPR: Article number choice under www.lappkabel.com/cpr
Public buildings
UL AWM recognized

Suitable for outdoor use

Flame-retardant

Halogen-free

Cold-resistant

UV-resistant

Benefits

Easy handling and installation due to flexible design

Application range

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

Last Update (14.07.2024)

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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For outdoor applications
According to NFPA 79, subchapter 12.9.2: Use for industrial machinery operated in the USA on the basis of UL AWM (recognized) certification
Each dimension with nominal/ minimum average wall thickness of the outer sheath of at least 1.8 mm: For applications where a strengthened outer sheath may turn out to be advantageous

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
UV and weather-resistant according to ISO 4892-2
Ozone-resistant according to EN 50396

Norm references / Approvals

Based on EN 50525-3-11
UL AWM approval: refer to data sheet

Product Make-up

Fine-wire strand made of bare copper wires
Core insulation: Halogen-free
Outer sheath made of special halogen-free coumpound, black

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000057 ETIM 5.0 Class-Description: Low voltage power cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000057 ETIM 6.0 Class-Description: Low voltage power cable
Core identification code:	Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9 From 6 cores: black with white numbers
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: 600/1000 V UL: 1000 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 Fixed installation: -40 °C to +80 °C UL: -25 °C to +75 °C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon

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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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PRODUCT INFORMATION

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Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1123410	2 X 1.0	8.6	19.2	107
1123411	3 G 1.0	9	28.8	123
1123412	4 G 1.0	9.6	38.4	144
1123413	5 G 1.0	10.4	48	167
1123414	7 G 1.0	11.1	67.2	206
1123415	12 G 1.0	14	115.2	314
1123418	2 X 1.5	9.6	28.8	137
1123419	3 G 1.5	10.1	43.2	161
1123420	4 G 1.5	10.8	57.6	190
1123421	5 G 1.5	11.7	72	221
1123422	7 G 1.5	12.6	100.8	276
1123423	12 G 1.5	16.1	172.8	427
1123424	18 G 1.5	18.8	259.2	596
1123425	25 G 1.5	21.7	360	799
1123427	3 G 2.5	11.3	72	219
1123428	4 G 2.5	12.2	96	262
1123429	5 G 2.5	13.3	120	307
1123430	7 G 2.5	14.4	168	390
1123431	12 G 2.5	18.7	288	624
1123432	18 G 2.5	22	432	879
1123433	25 G 2.5	25.8	600	1212
1123434	3 G 4.0	12.6	115.2	290
1123435	4 G 4.0	13.7	153.6	351
1123436	5 G 4.0	14.9	192	416
1123437	3 G 6.0	13.9	172.8	377
1123438	4 G 6.0	15.1	230.4	463
1123439	5 G 6.0	16.8	288	559
1123440	4 G 10.0	18.7	384	662
1123441	5 G 10.0	20.7	480	915
1123442	4 G 16.0	21.3	614.4	1070
1123443	5 G 16.0	23.6	768	1296
1123444	4 G 25.0	26.2	960	1631

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