

ÖLFLEX® CLASSIC 135 CH 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 135 CH BK 0,6/1kV: Power and Control Cable UL AWM Style 21156 Class 5, Screened, Halogen-free/ Highly Flame Retardant, Public buildings, Outdoor

Info

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

Public buildings

EMC/Screened



Suitable for outdoor use



Flame-retardant



Halogen-free



Cold-resistant



Interference signals



UV-resistant

Benefits

Easy handling and installation due to flexible design

Space-saving installation due to small cable diameters

Application range

Last Update (24.04.2024)

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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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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

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

Halogen-free plastic foil wrapping

Tinned-copper braiding

Outer sheath made of special halogen-free compound, 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: 20 x outer diameter
Fixed installation: 6 x outer diameter

Nominal voltage:

U0/U: 600/1000 V
UL: 1000 V

Test voltage:

Core/core: 4000 V
Core/screen: 2000 V

Protective conductor:

G = with GN-YE protective conductor
X = without protective conductor

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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 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 $\leq$ 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).

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)
1123460	2 X 1.0	9.4	39.5	120
1123461	3 G 1.0	9.8	51	140
1123462	4 G 1.0	10.4	62.8	165
1123463	5 G 1.0	11.2	76	191
1123464	7 G 1.0	11.9	97.2	231
1123465	12 G 1.0	15	169.1	360
1123466	18 G 1.0	17.3	238.2	494
1123467	25 G 1.0	19.8	315.5	643
1123468	2 X 1.5	10.4	53.2	149
1123469	3 G 1.5	10.9	69.5	177
1123470	4 G 1.5	11.6	86.5	209
1123471	5 G 1.5	12.5	104.3	243
1123472	7 G 1.5	13.4	136.5	300
1123473	12 G 1.5	17.3	238.3	486
1123474	18 G 1.5	20.2	355.4	691
1123475	25 G 1.5	23.1	475.1	914
1123476	2 X 2.5	11.6	79.4	197
1123477	3 G 2.5	12.1	106.1	243
1123478	4 G 2.5	13	134.3	293
1123479	5 G 2.5	14.1	158.3	342
1123480	7 G 2.5	15.4	225	462
1123481	12 G 2.5	20.1	383.6	718
1123482	18 G 2.5	23.4	548.9	1011
1123483	25 G 2.5	27.4	761.7	1370
1123485	4 G 4.0	14.7	211.9	399
1123486	5 G 4.0	15.9	250.3	471
1123487	3 G 6.0	14.9	232.1	414
1123488	4 G 6.0	16.1	298.5	519
1123489	5 G 6.0	17.8	356.1	607
1123490	4 G 10.0	20.1	490.6	837
1123492	4 G 16.0	22.5	735.1	1157
1123493	5 G 16.0	25	888.7	1407
1123494	4 G 25.0	27.8	1,126.6	1683