

ÖLFLEX® CLASSIC 110 BK

VDE-registered oil-resistant PVC control cable with black outer sheath for a wide range of applications

ÖLFLEX® CLASSIC 110 BK - PVC control cable, VDE registered, oil resistant, flexible and UV-resistant for various applications, 300/500V, also for YSLY or YY

Info

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

With black outer sheath, UV-resistant

VDE certificate of conformity with

factory surveillance



Good chemical resistance



Oil-resistant



Power chain



Torsion-resistant



UV-resistant

Benefits

Suitable for outdoor applications

Wide choice of standardized lengths and individual cuts

Application range

For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load

Dry or damp rooms that are subject to medium mechanical loads

Last Update (24.09.2021)

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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)

In power chains for a travelling distance up to 5 m and 0,2 ... 1 million bending cycles, for following dimensions: 0,5 to 2.5mm² and 2 to 7 conductors

Suitable for outdoor applications

Product features

Flame-retardant according IEC 60332-1-2

Good chemical resistance, see catalogue appendix T1

Oil-resistant according to DIN EN 50290-2-22 (TM54)

UV and weather-resistant according to ISO 4892-2

Norm references / Approvals

VDE reg. no. 7030 for the following sizes:

up to 2.5 mm²: 2 - 65 cores

from 4 mm²: 2 - 7 cores

from 25 mm²: 2 - 5 cores

Product Make-up

Fine-wire strand made of bare copper wires

PVC insulation LAPP P8/1

Cores twisted in layers

PVC outer sheath, black (RAL 9005)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000104 ETIM 6.0 Class-Description: Control cable
Core identification code:	Black with white numbers acc. to VDE 0293-334
Conductor stranding:	Fine wire according to DIN EN 60228 (VDE 0295), class 5 / IEC 60228 class 5
Torsion movement in WTG:	TW-0 & TW-1, refer to Appendix T0
Minimum bending radius:	Occasional flexing: 10 x outer diameter In power chains: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	U0/U: 300/500 V
Test voltage:	4000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Occasional flexing: -15°C to +70°C In power chains: -5°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.

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

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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.

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)
1119809	2 X 0.75	5.4	14.4
1119871	3 G 0.75	5.7	21.6
1119892	3 X 0.75	5.7	21.6
1119872	4 G 0.75	6.2	28.8
1119893	4 X 0.75	6.2	28.8
1119873	5 G 0.75	6.7	36
1119874	7 G 0.75	7.3	50.4
1119875	12 G 0.75	9.9	86.4
1119876	18 G 0.75	11.7	130
1119877	25 G 0.75	13.8	180
1119878	34 G 0.75	15.9	245
1119894	2 X 1.0	5.7	19.2
1119244	3 G 1.0	6	28.8
1119895	3 X 1.0	6	28.8
1119245	4 G 1.0	6.5	38.4
1119896	4 X 1.0	6.5	38.4
1119246	5 G 1.0	7.1	48
1119897	5 X 1.0	7.1	48
1119247	7 G 1.0	8	67.2
1119248	12 G 1.0	10.5	115
1119249	18 G 1.0	12.7	173
1119251	25 G 1.0	14.7	240
1119252	34 G 1.0	17.1	326
1119898	2 X 1.5	6.3	28.8
1119020	3 G 1.5	6.7	43.2
1119899	3 X 1.5	6.7	43.2
1119879	4 G 1.5	7.2	57.6
1119900	4 X 1.5	7.2	57.6
1119880	5 G 1.5	8.1	72
1119911	5 X 1.5	8.1	72
1119881	7 G 1.5	8.9	101
1119913	7 X 1.5	8.9	101
1119882	12 G 1.5	12	173
1119883	18 G 1.5	14.4	259

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)
1119884	25 G 1.5	16.9	360
1119914	2 X 2.5	7.5	48
1119885	3 G 2.5	8.1	72
1119886	4 G 2.5	8.9	96
1119887	5 G 2.5	10	120
1119888	7 G 2.5	11.1	168
1119889	12 G 2.5	14.8	288
1119890	18 G 2.5	17.8	432
1119891	25 G 2.5	20.8	600
1119915	3 G 4.0	9.9	115.2
1119916	4 G 4.0	10.8	154
1119917	5 G 4.0	12.1	192
1119918	4 G 6.0	13	230
1119919	5 G 6.0	14.5	288
1119920	4 G 10.0	16.2	384
1119921	5 G 10.0	18.1	480
1119922	4 G 16.0	18.8	614
1119923	5 G 16.0	21.2	768

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