

## 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

With black sheath, UV-resistant  
VDE certificate of conformity with  
factory surveillance



UV-resistant



Torsion-resistant



Power chain



Oil-resistant



Good chemical resistance

### Benefits

Suitable for outdoor applications  
Wide range of standardized lengths and individual cuts

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### Application range

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

Dry or damp rooms that are subject to normal mechanical loads

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 the following dimensions: 0.5 to 2.5 mm<sup>2</sup> and 2 to 7 cores

Suitable for outdoor applications

### Product features

Flame-retardant according to 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 dimensions:

up to 2.5 mm<sup>2</sup>: 2 - 65 cores

from 4 mm<sup>2</sup>: 2 - 7 cores

from 25 mm<sup>2</sup>: 2 - 5 cores

### Design

Finely stranded bare copper wires

PVC core insulation LAPP P8/1

Cores twisted in layers

PVC sheath, black (RAL 9005)

### Technical Data

Classification:

ETIM 5.0 Class-ID: EC000104

ETIM 5.0 Class-Description: Control cable

Core identification code:

Black with white numbers acc. to VDE 0293-1

Conductor design:

Fine wire according to DIN EN 60228 (VDE 0295), class 5 / IEC 60228 class 5

Torsion application 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:

U<sub>0</sub>/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

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### Note

Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

Packaging: Ring  $\leq 30$  kg or  $\leq 250$  m, otherwise drum

Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)

Photographs 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 <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1119809	2 X 0.75	5.4	14.4	45
1119871	3 G 0.75	5.7	21.6	55
1119892	3 X 0.75	5.7	21.6	55
1119872	4 G 0.75	6.2	28.8	66
1119893	4 X 0.75	6.2	28.8	66
1119873	5 G 0.75	6.7	36	79
1119874	7 G 0.75	7.3	50.4	101
1119875	12 G 0.75	9.9	86.4	171
1119876	18 G 0.75	11.7	130	244
1119877	25 G 0.75	13.8	180	337
1119878	34 G 0.75	15.9	245	448
1119894	2 X 1	5.7	19.2	53
1119244	3 G 1	6	28.8	65
1119895	3 X 1	6	28.8	65
1119245	4 G 1	6.5	38.4	79
1119896	4 X 1	6.5	38.4	79
1119246	5 G 1	7.1	48	94
1119897	5 X 1	7.1	48	94
1119247	7 G 1	8	67.2	126
1119248	12 G 1	10.5	115	205
1119249	18 G 1	12.7	173	290
1119251	25 G 1	14.7	240	390
1119252	34 G 1	17.1	326	551
1119898	2 X 1.5	6.3	28.8	68
1119020	3 G 1.5	6.7	43.2	84
1119899	3 X 1.5	6.7	43.2	84
1119879	4 G 1.5	7.2	57.6	104
1119900	4 X 1.5	7.2	57.6	104
1119880	5 G 1.5	8.1	72	128
1119911	5 X 1.5	8.1	72	128
1119881	7 G 1.5	8.9	101	166
1119913	7 X 1.5	8.9	101	166
1119882	12 G 1.5	12	173	279
1119883	18 G 1.5	14.4	259	407

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Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1119884	25 G 1.5	16.9	360	560
1119914	2 X 2.5	7.5	48	100
1119885	3 G 2.5	8.1	72	132
1119886	4 G 2.5	8.9	96	163
1119887	5 G 2.5	10	120	200
1119888	7 G 2.5	11.1	168	267
1119889	12 G 2.5	14.8	288	444
1119890	18 G 2.5	17.8	432	648
1119891	25 G 2.5	20.8	600	890
1119915	3 G 4	9.9	115.2	201
1119916	4 G 4	10.8	154	249
1119917	5 G 4	12.1	192	315
1119918	4 G 6	13	230	365
1119919	5 G 6	14.5	288	447
1119920	4 G 10	16.2	384	590
1119921	5 G 10	18.1	480	722
1119922	4 G 16	18.8	614	1087
1119923	5 G 16	21.2	768	1370

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