



## Product Information

Page 1 of 3

ÖLFLEX® CLASSIC 100 BK POWER 0,6/1kV

Valid: 04.04.2011

### Product Description

Space saving installation due to small cable diameters; High electrical performance due to 4kV test voltage



### Application range

- Plant engineering and construction Industrial machinery Air conditioning installations Paint-spray lines
- Stage technology
- Fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load
- Outdoor use suitable considering the temperature range
- Suitable for direct burial

### Benefits

- Space saving installation due to small cable diameters
- High electrical performance due to 4kV test voltage

### Design

- Fine strands of bare copper wires
- Core insulation: PVC, cold-resistant
- PVC outer sheath, cold-resistant, black (RAL 9005)

### Product features

- Flame retardant according to IEC 60332-1-2
- UV resistant and weather proof
- Flexible down to -30° C



## Technical Data

### Core identification code

Up to 5 cores: according to VDE 0293-308  
(appendix T9)

Starting at 6 cores: ÖLFLEX® colour code  
(appendix T7)

### Specific insulation resistance

> 20 GOhm x cm

### Conductor stranding

Fine wire in accordance to VDE 0295 Class 5 / IEC  
60228 Class 5

### Minimum bending radius

Occasional flexing: 15 x cable diameter

Fixed installation: 4 x cable diameter

### Rated voltage

U0/U: 600/1000 V

### Test voltage

4000 V

### Protective conductor

G = with protective conductor GN/YE

X = without protective conductor

### Range of temperature

Occasional flexing: -30°C up to +70°C

Fixed installation: -40°C up to +80°C

## Article List

Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
ÖLFLEX® CLASSIC 100 BK POWER 0,6/1 kV				
1120456	2 X 1,0	8,6	19.2	98
1120457	3 G 1,0	9.0	29.0	112
1120458	4 G 1,0	9,6	38.0	131
1120459	5 G 1,0	10,4	48.0	152
1120462	2 X 1,5	9,6	29.0	123
1120463	3 G 1,5	10,1	43.0	144
1120464	4 G 1,5	10,8	58.0	170
1120465	5 G 1,5	11,7	72.0	199
1120468	2 X 2,5	10,8	48.0	147
1120469	3 G 2,5	11,3	72.0	182
1120470	4 G 2,5	12,2	96.0	225
1120471	5 G 2,5	13,3	120.0	266
1120474	4 G 4	13,8	154.0	324
1120475	4 G 6	15,1	230.0	442
1120476	4 G 10	18,7	384.0	707
1120477	4 G 16	21,3	614.0	1100
1120478	4 G 25	26,2	960.0	1600



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Page 3 of 3

ÖLFLEX® CLASSIC 100 BK POWER 0,6/1kV

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1120479	4 G 35	29,1	1344.0	2400
1120480	4 G 50	35,6	1920.0	3400
1120481	4 G 70	40,7	2688.0	5050
1120482	4 G 95	46,8	3648.0	6010
1120483	4 G 120	53,5	4608.0	7500

### Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: Coil  $\leq$  30 kg and  $\leq$  250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

Further sizes as well as screened types on request

Photographs are not to scale and do not represent detailed images of the respective products.