
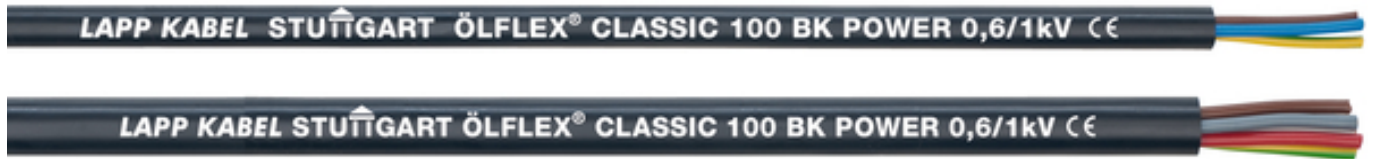


U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® CLASSIC 100 BK POWER 0,6/1 kV	29.11.2013

High electrical performance due to 4 kV test voltage



Suitable for outdoor use



Cold-resistant



Torsion-resistant



UV-resistant

Info

Good outdoor performance

Application range

Plant engineering Industrial machinery Heating and air-conditioning systems Power stations Stage applications
 For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load
 Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)
 Suitable for outdoor applications
 Suitable for direct burial


Design

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

Product features

Flame-retardant according IEC 60332-1-2
 UV and weather-resistant according to ISO 4892-2
 Ozone-resistant according to EN 50396
 Flexible down to -30°C

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Remark

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

Copper price basis: EUR 150/100kg. 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).

Other sizes and screened types are available upon request.

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

Technical Data

Core identification code:	Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9 From 6 cores: ÖLFLEX® colour code, refer to Appendix T7
Classification:	ETIM 5.0 Class-ID: EC000057 ETIM 5.0 Class-Description: Low voltage power cable
Specific insulation resistance:	> 20 GOhm x cm
Conductor stranding:	Fine wire according to 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: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	U ₀ /U: 600/1000 V
Test voltage:	4000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Occasional flexing: -30°C to +70°C Fixed installation: -40°C to +80°C

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**ÖLFLEX® CLASSIC 100 BK POWER 0,6/1 kV**

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Part number	Number of cores and mm ² per conductor	Outer diameter (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
1120479	4 G 35	29,1	1344.0	2400